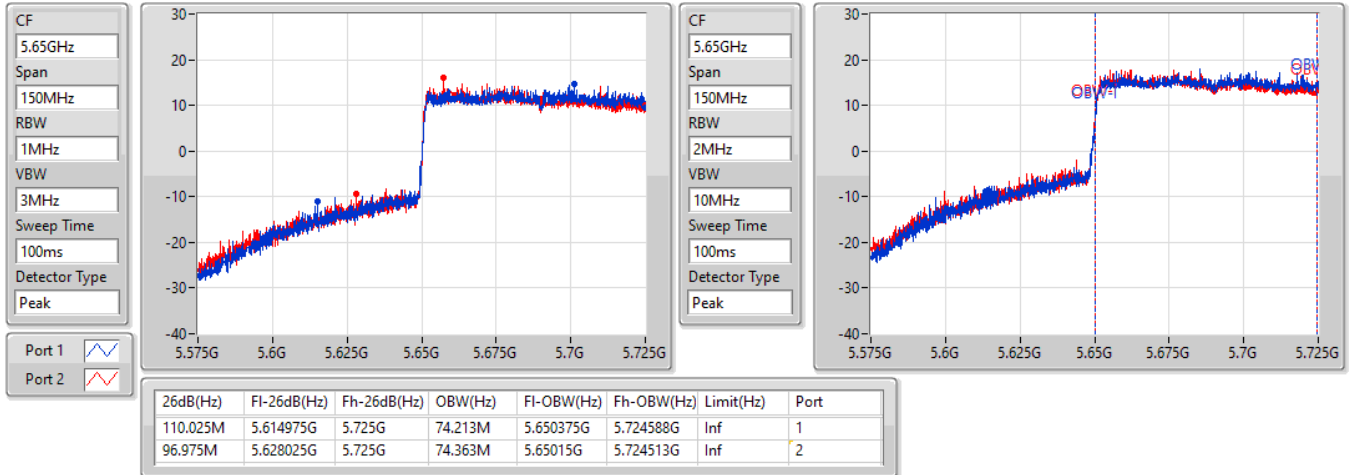


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

30/07/2022

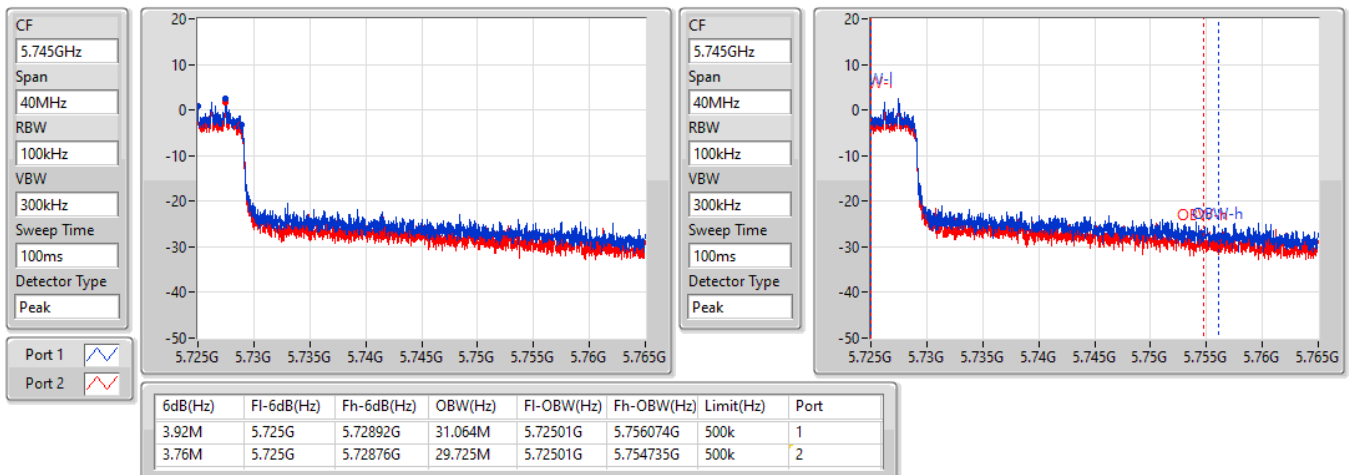


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/07/2022

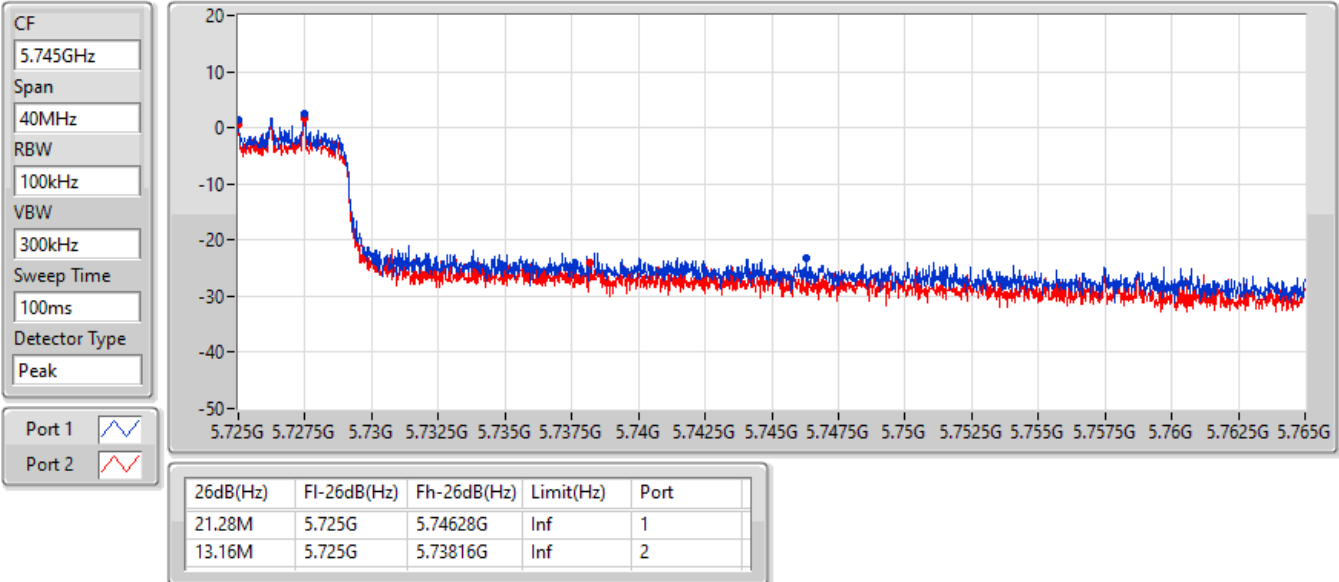


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/07/2022

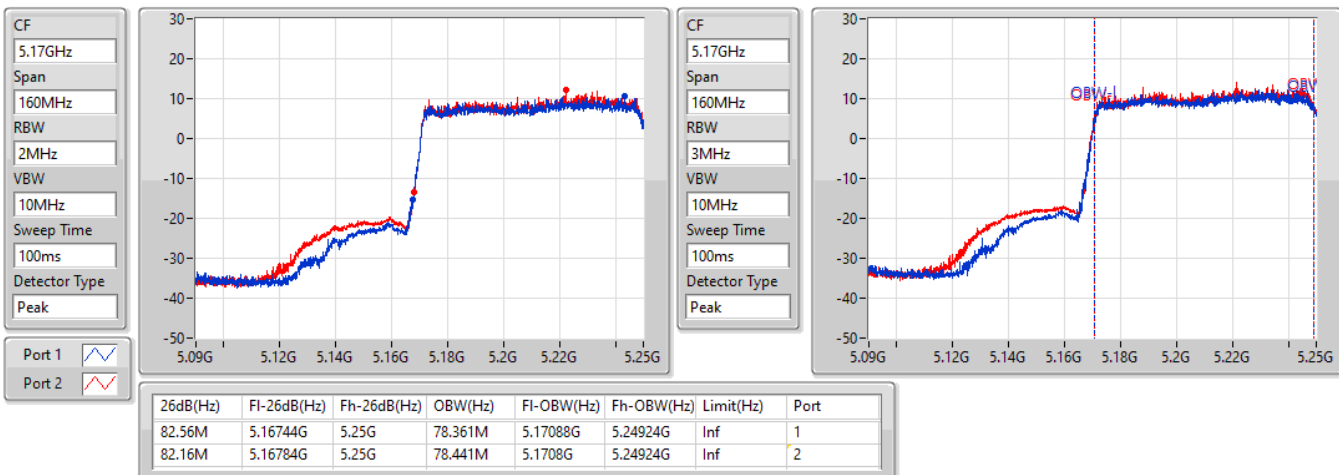


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

30/07/2022

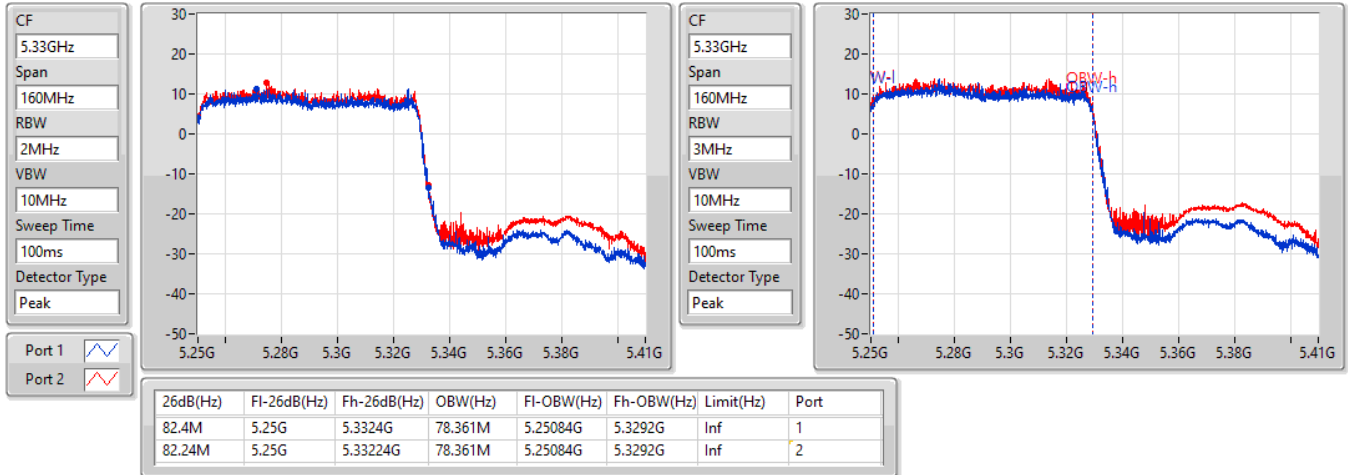


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

30/07/2022

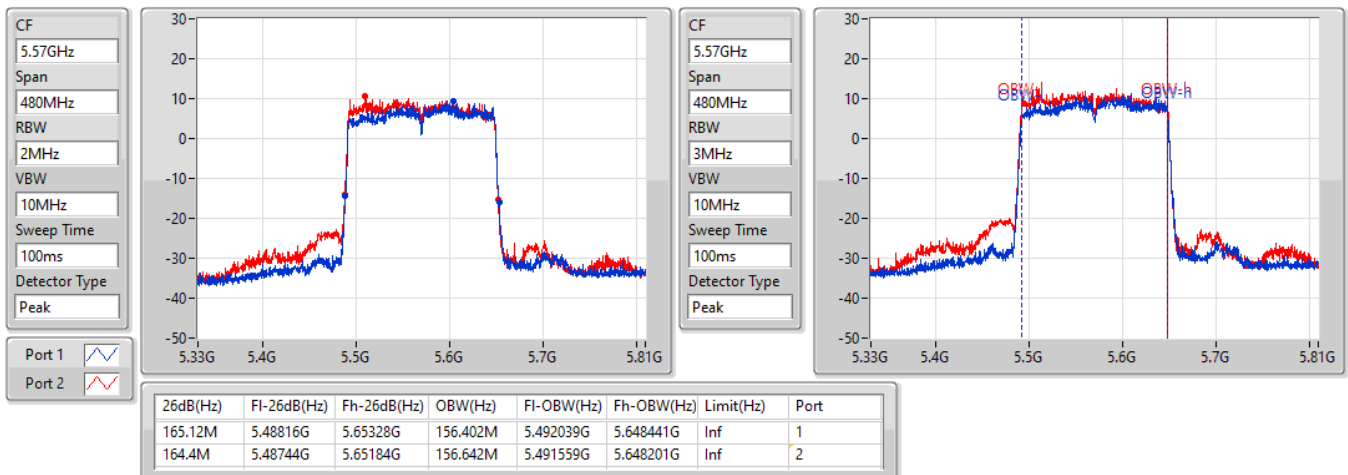


802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5570MHz

30/07/2022



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	82.8M	78.521M	78M5D1D	82.4M	78.281M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	26.04M	17.451M	17M5D1D	21.36M	16.912M
802.11ax HEW20_Nss1,(MCS0)_4TX	26.85M	19.31M	19M3D1D	21.6M	19.07M
802.11ax HEW40_Nss1,(MCS0)_4TX	45.84M	38.261M	38M3D1D	40.38M	37.841M
802.11ax HEW80_Nss1,(MCS0)_4TX	92.04M	77.961M	78M0D1D	84.12M	77.841M
802.11ax HEW160_Nss1,(MCS0)_4TX	83.2M	78.521M	78M5D1D	82.72M	78.361M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	27.06M	17.421M	17M4D1D	15.645M	13.538M
802.11ax HEW20_Nss1,(MCS0)_4TX	27.06M	19.34M	19M3D1D	15.795M	14.588M
802.11ax HEW40_Nss1,(MCS0)_4TX	48.42M	38.261M	38M3D1D	35.315M	33.863M
802.11ax HEW80_Nss1,(MCS0)_4TX	94.56M	78.081M	78M1D1D	76.05M	73.538M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.84M	156.642M	157MD1D	165.12M	156.402M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.16M	4.238M	4M24D1D	3.14M	4.158M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.5M	4.718M	4M72D1D	4.44M	4.638M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.96M	4.178M	4M18D1D	3.92M	4.138M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.96M	5.317M	5M32D1D	3.82M	4.318M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.75M	17.091M	21.57M	17.031M	21.57M	16.972M	21.54M	16.912M
5300MHz	Pass	Inf	21.54M	17.121M	21.69M	17.091M	21.54M	16.972M	21.36M	17.001M
5320MHz	Pass	Inf	24.84M	17.451M	24.03M	17.391M	25.62M	17.361M	26.04M	17.421M
5500MHz	Pass	Inf	25.71M	17.421M	26.49M	17.361M	27.06M	17.391M	25.86M	17.361M
5580MHz	Pass	Inf	21.6M	17.151M	21.63M	17.091M	21.51M	17.001M	21.66M	16.972M
5700MHz	Pass	Inf	22.29M	17.151M	21.81M	17.091M	21.63M	16.972M	21.78M	17.061M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.675M	13.643M	15.855M	13.658M	15.645M	13.538M	15.735M	13.568M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	4.198M	3.16M	4.218M	3.14M	4.158M	3.14M	4.238M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.75M	19.13M	21.63M	19.07M	21.81M	19.1M	21.63M	19.13M
5300MHz	Pass	Inf	21.87M	19.13M	21.6M	19.1M	21.72M	19.1M	21.69M	19.1M
5320MHz	Pass	Inf	23.52M	19.28M	23.07M	19.22M	26.85M	19.31M	26.55M	19.25M
5500MHz	Pass	Inf	27.06M	19.28M	24.66M	19.22M	25.35M	19.34M	24.99M	19.25M
5580MHz	Pass	Inf	21.9M	19.13M	21.66M	19.13M	21.72M	19.13M	21.66M	19.07M
5700MHz	Pass	Inf	21.84M	19.16M	21.63M	19.1M	21.66M	19.16M	21.72M	19.07M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.945M	14.588M	15.93M	14.588M	15.885M	14.588M	15.795M	14.588M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.638M	4.44M	4.658M	4.5M	4.718M	4.44M	4.678M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.5M	37.841M	40.56M	37.961M	40.38M	37.901M	40.62M	37.841M
5310MHz	Pass	Inf	45.84M	38.201M	43.32M	38.201M	43.38M	38.081M	45.54M	38.261M
5510MHz	Pass	Inf	48.42M	38.261M	42.78M	38.141M	47.58M	38.141M	44.94M	38.141M
5550MHz	Pass	Inf	40.86M	37.961M	40.44M	37.901M	40.5M	37.961M	40.56M	37.961M
5670MHz	Pass	Inf	41.64M	38.021M	40.8M	38.081M	40.74M	38.021M	44.82M	38.141M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.315M	33.933M	35.385M	33.863M	35.35M	33.863M	35.315M	33.898M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	4.158M	3.92M	4.138M	3.94M	4.138M	3.92M	4.178M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	84.12M	77.841M	86.52M	77.841M	87.96M	77.961M	92.04M	77.961M
5530MHz	Pass	Inf	89.04M	78.081M	84.36M	77.961M	89.04M	77.961M	94.56M	78.081M
5610MHz	Pass	Inf	82.32M	77.721M	81.96M	77.721M	81.72M	77.721M	81.72M	77.721M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.2M	73.538M	76.275M	73.538M	76.275M	73.538M	76.05M	73.538M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	4.738M	3.82M	4.318M	3.9M	4.498M	3.94M	5.317M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.8M	78.521M	82.56M	78.281M	82.4M	78.441M	82.48M	78.361M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	83.12M	78.361M	83.2M	78.361M	82.88M	78.521M	82.72M	78.361M
5570MHz	Pass	Inf	165.12M	156.402M	165.84M	156.642M	165.36M	156.642M	165.6M	156.642M

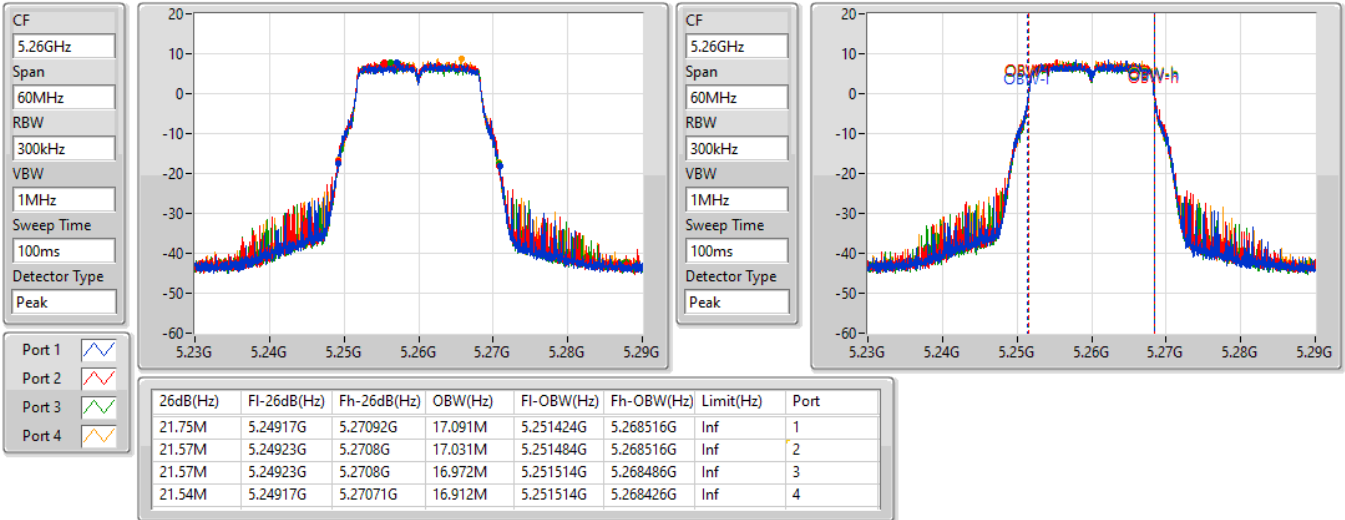
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

30/07/2022

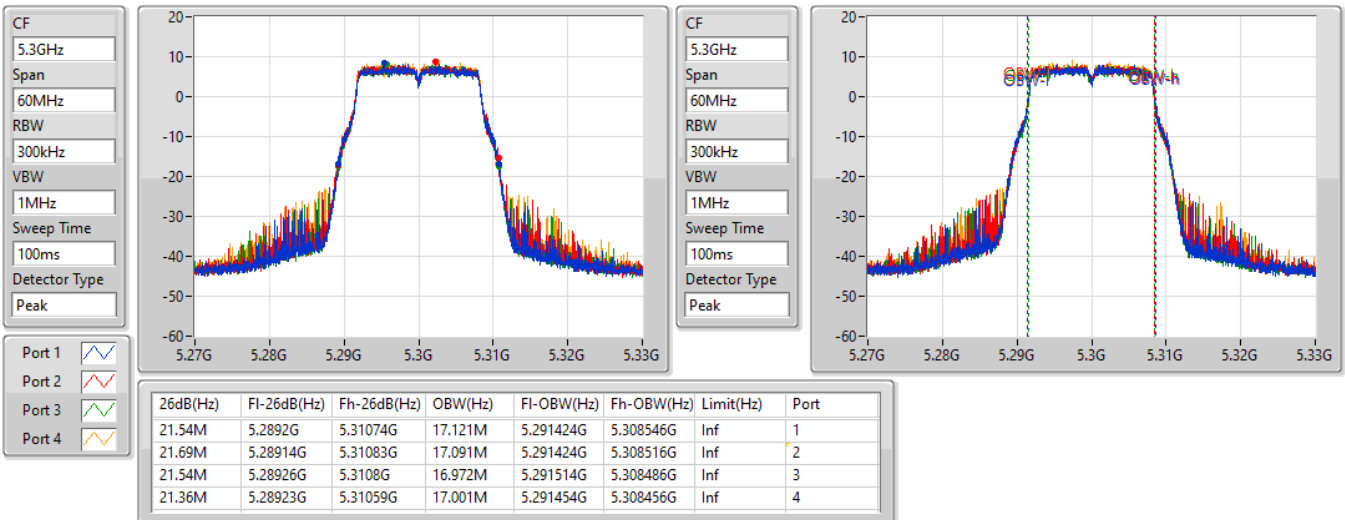


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

30/07/2022

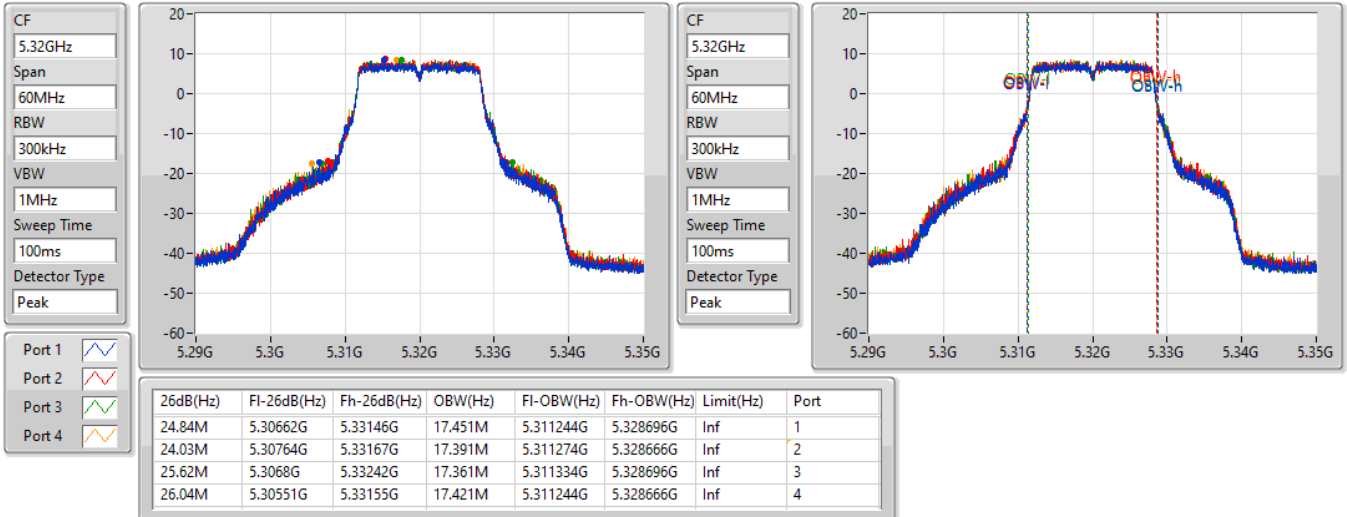


802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

30/07/2022

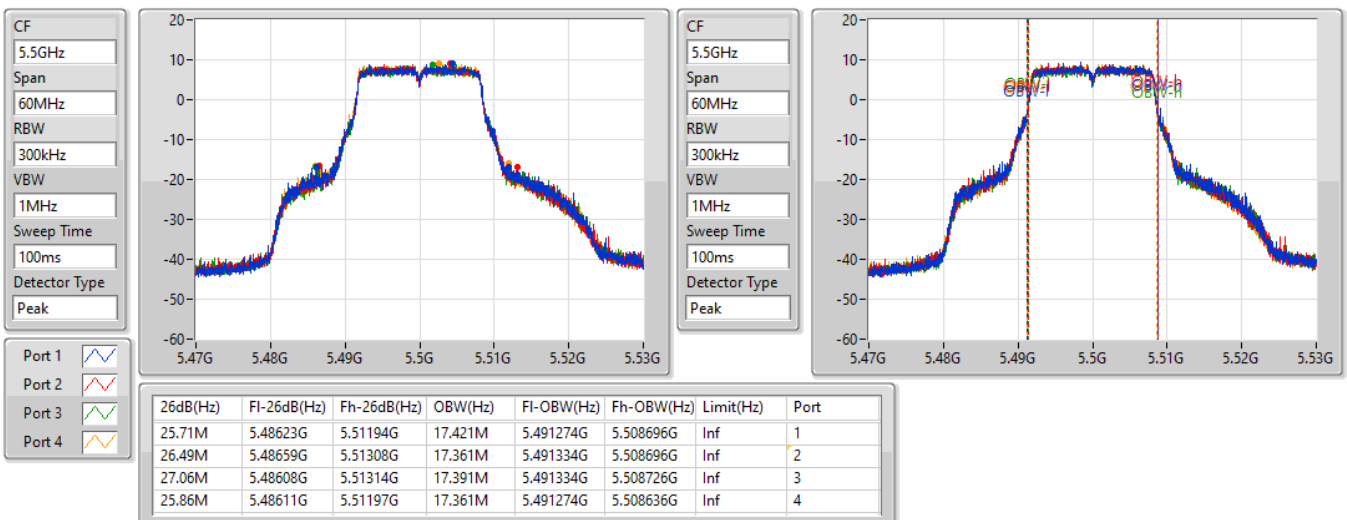


802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

30/07/2022

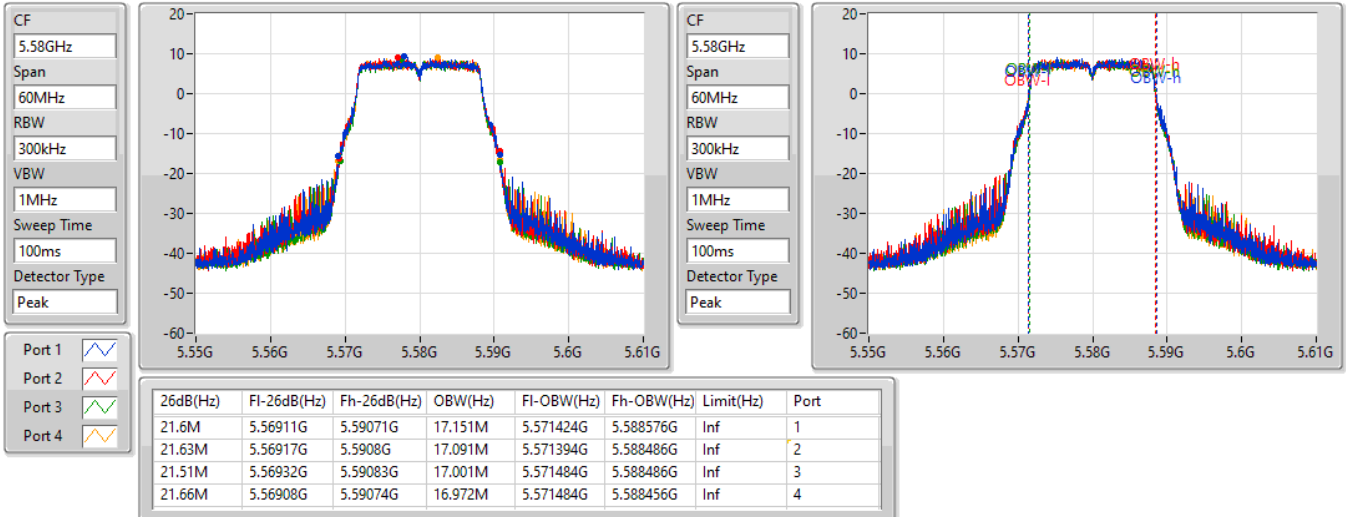


802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

30/07/2022

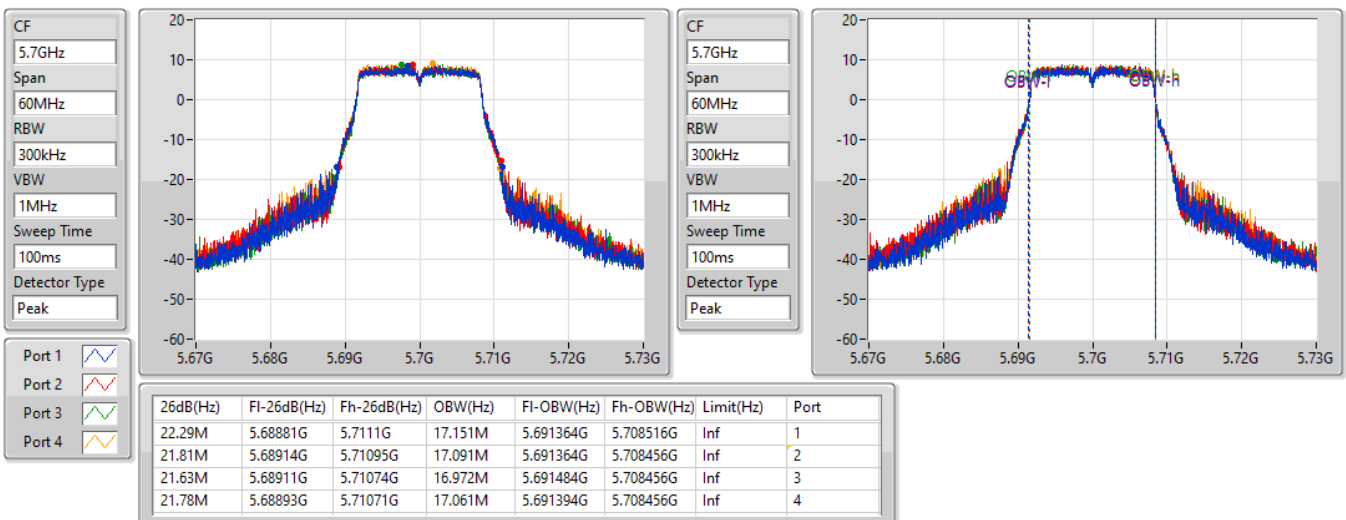


802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

30/07/2022

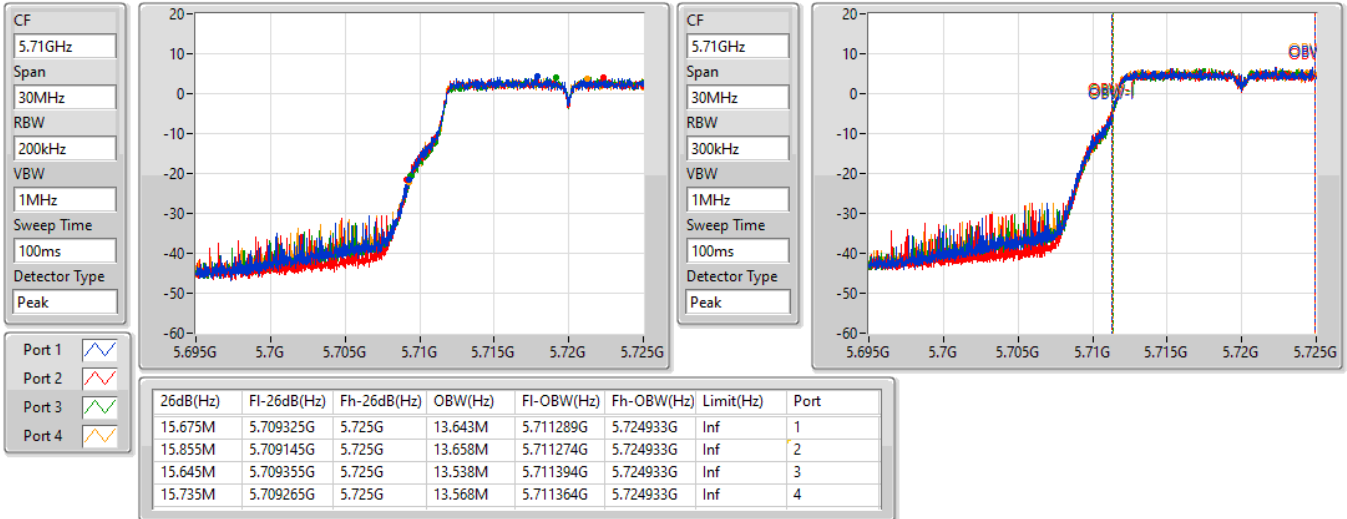


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/07/2022

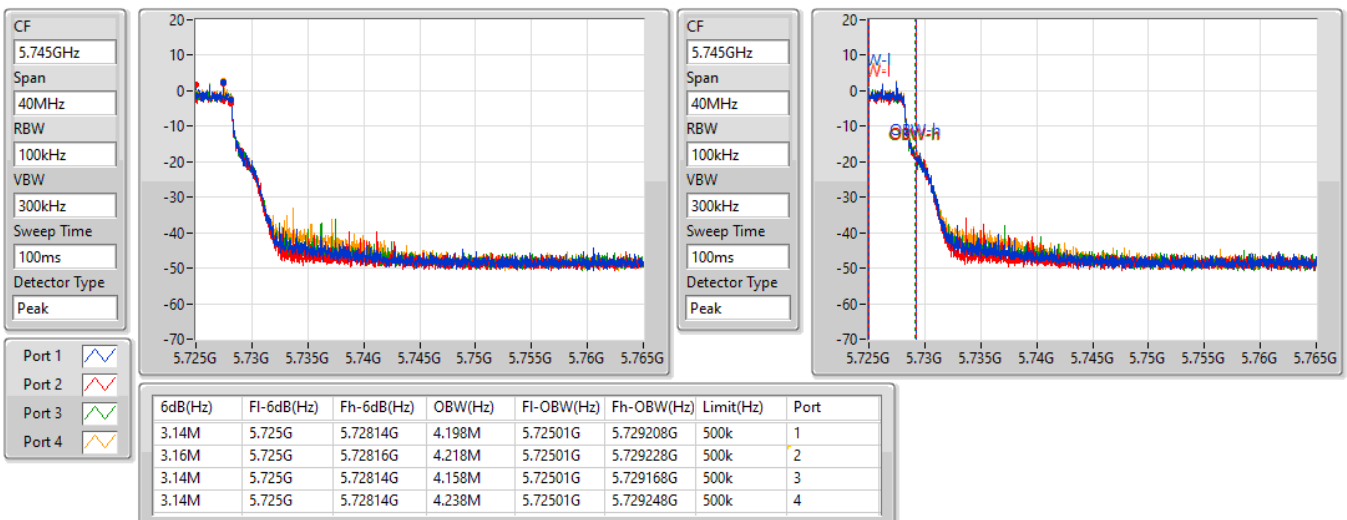


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2022

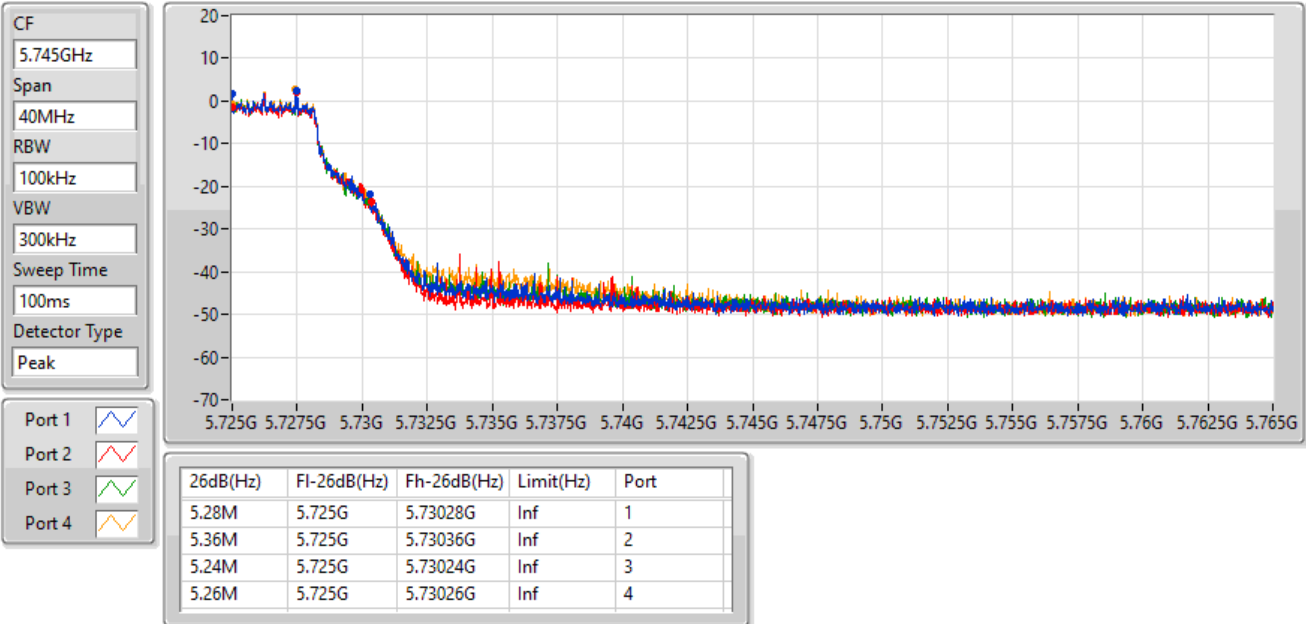


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2022

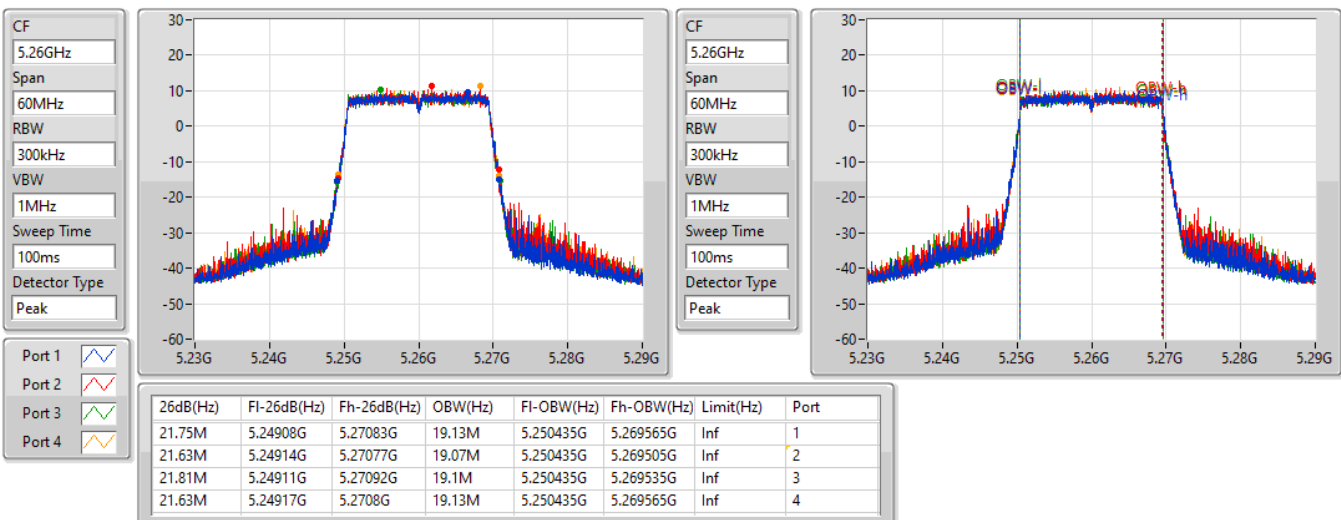


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

30/07/2022

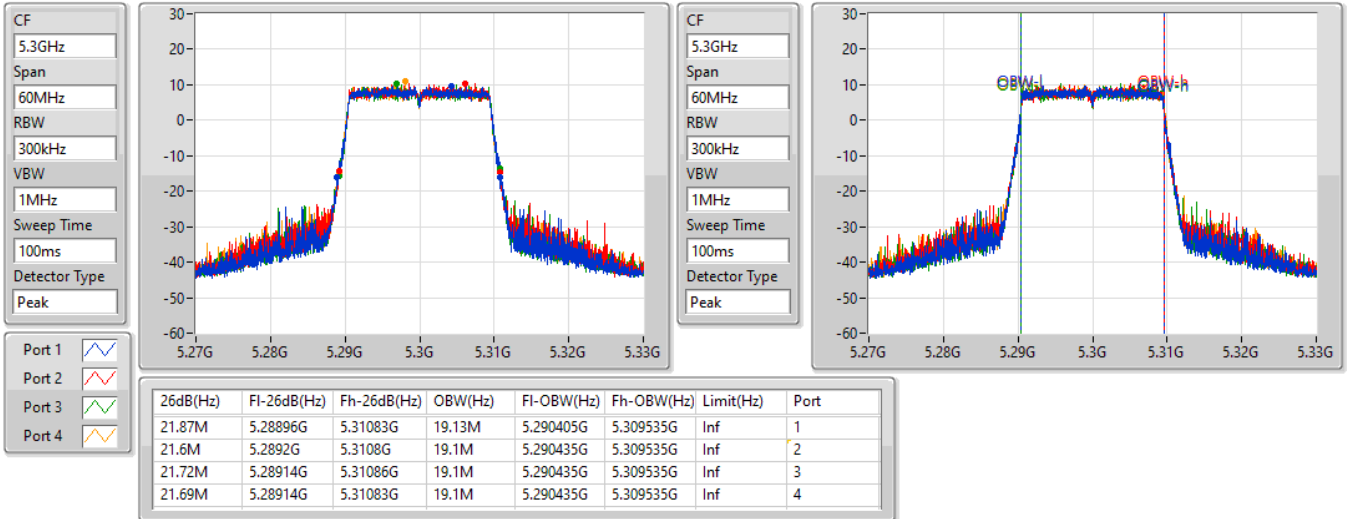


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

30/07/2022

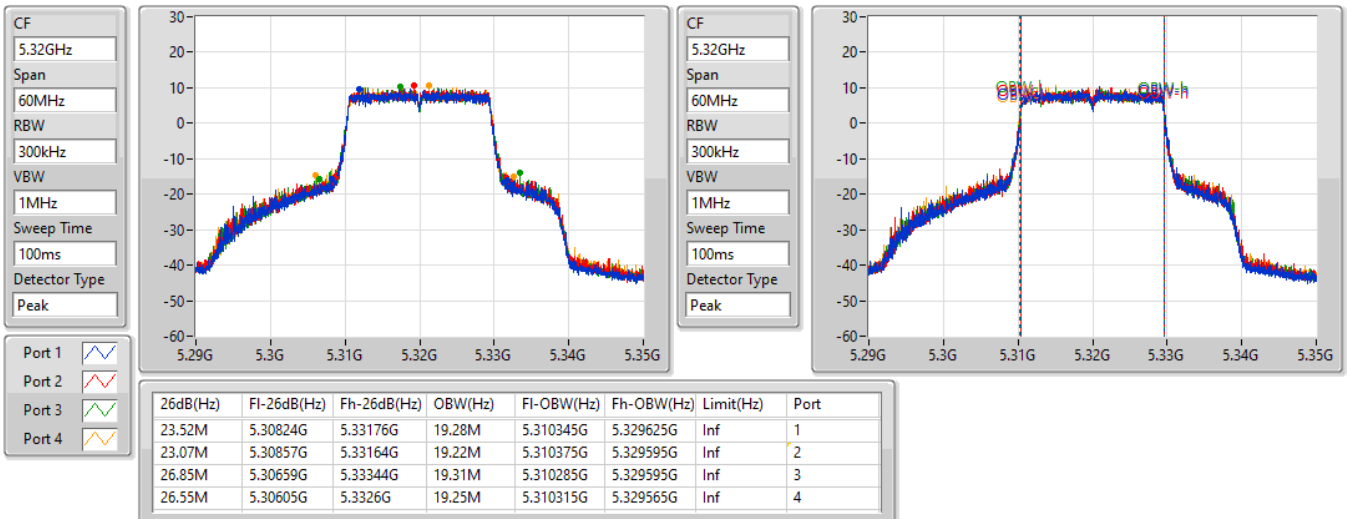


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

30/07/2022

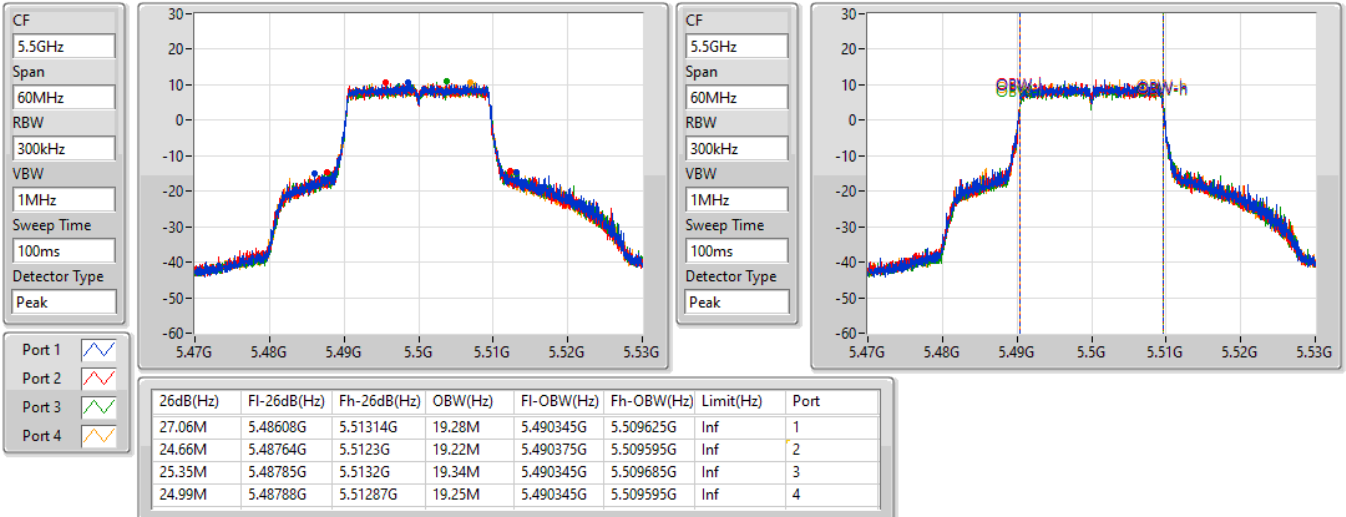


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

30/07/2022

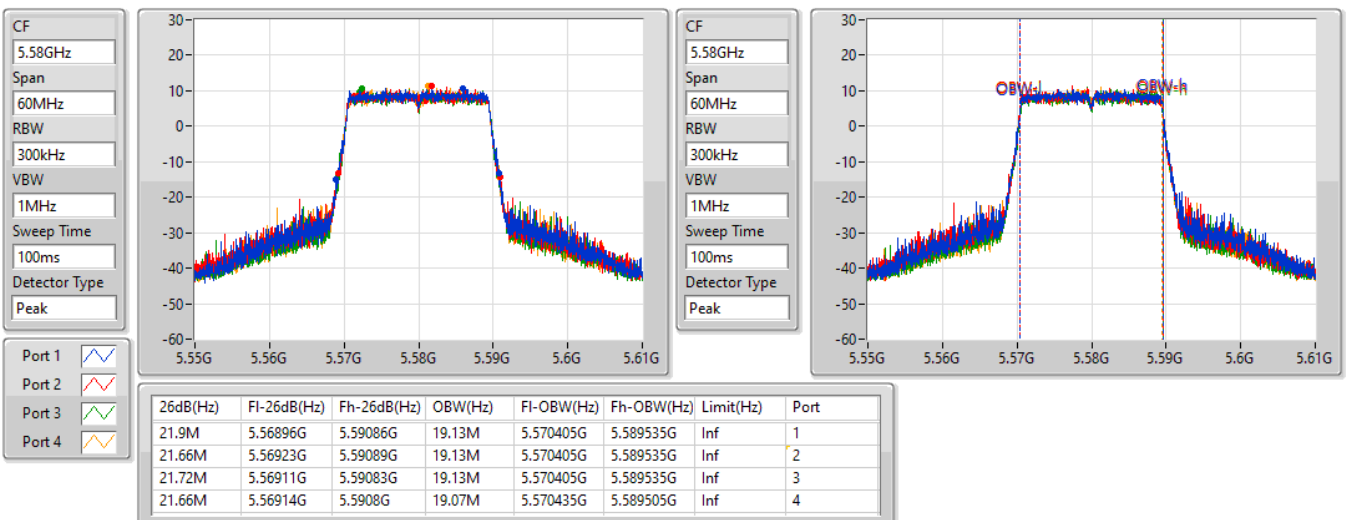


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

30/07/2022

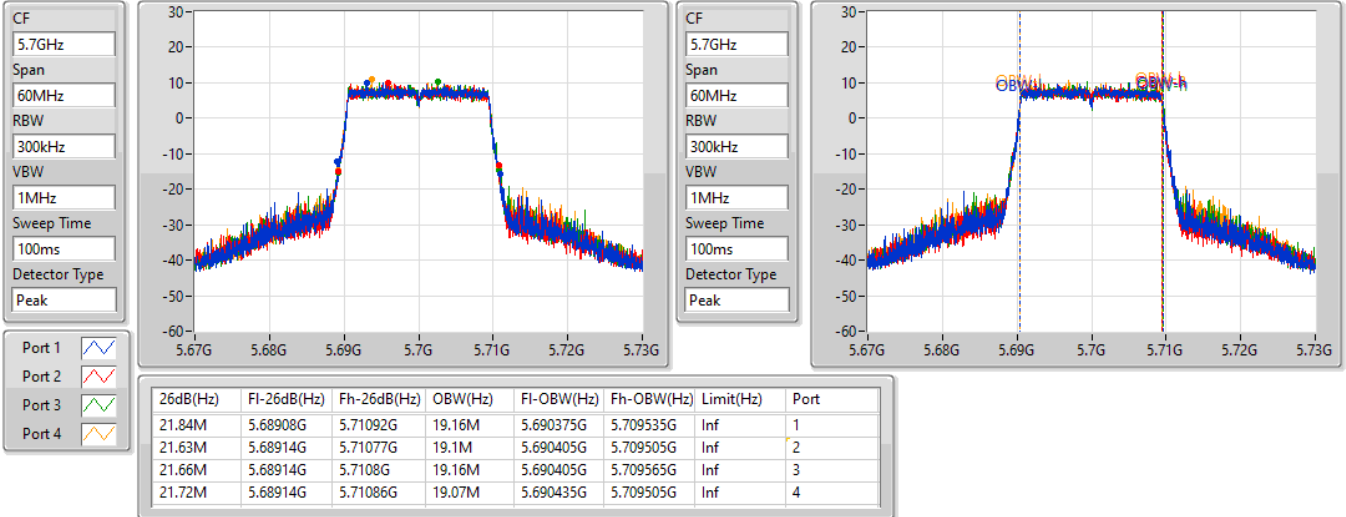


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

30/07/2022

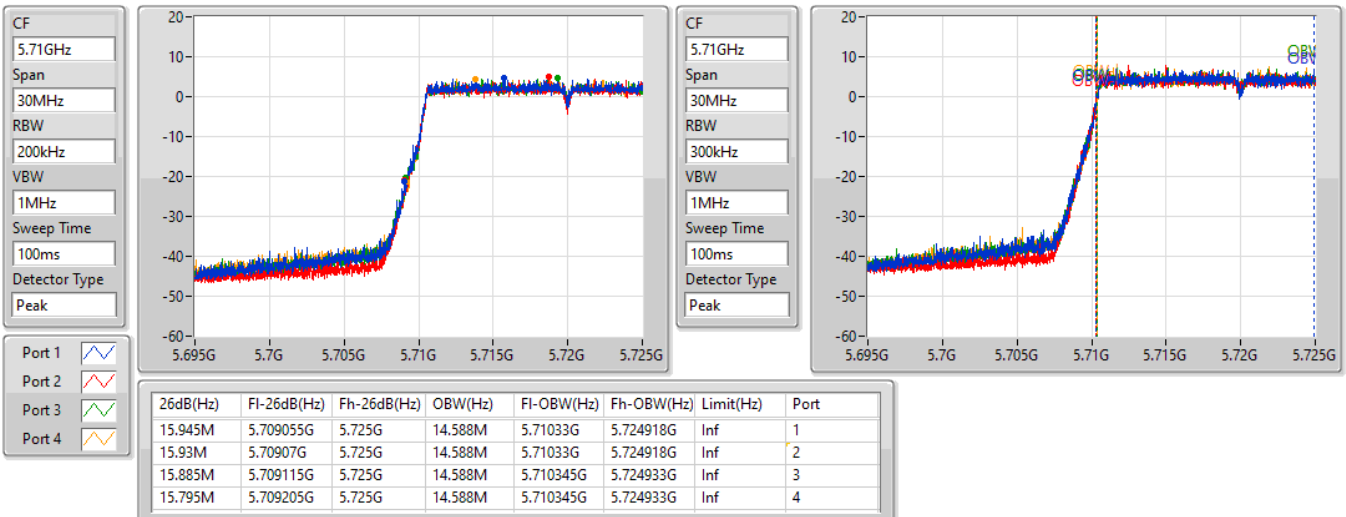


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/07/2022

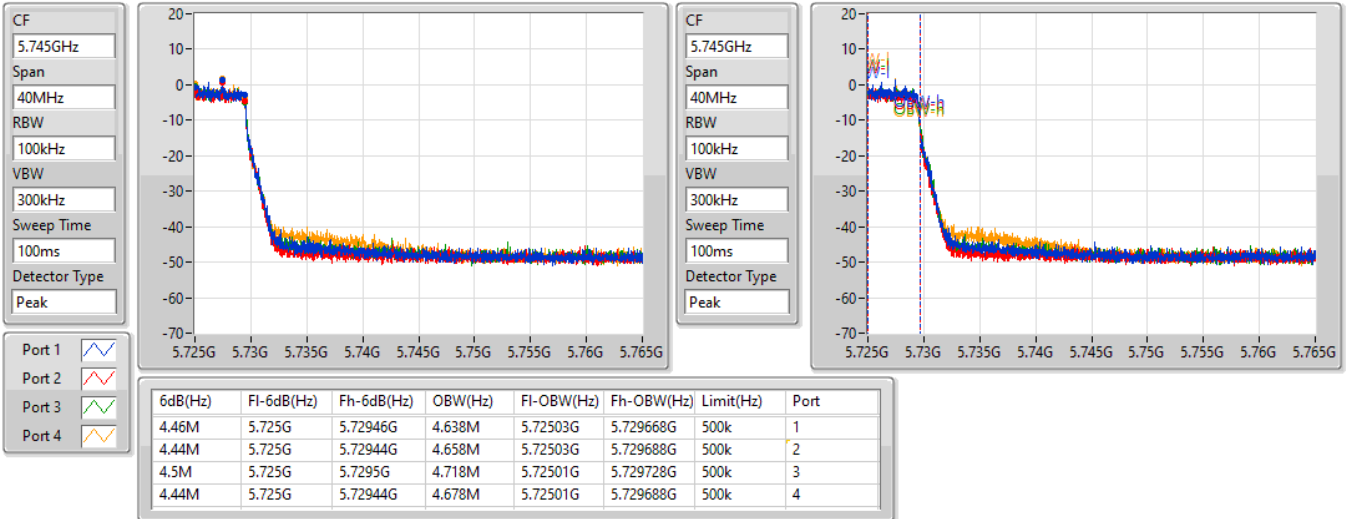


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2022

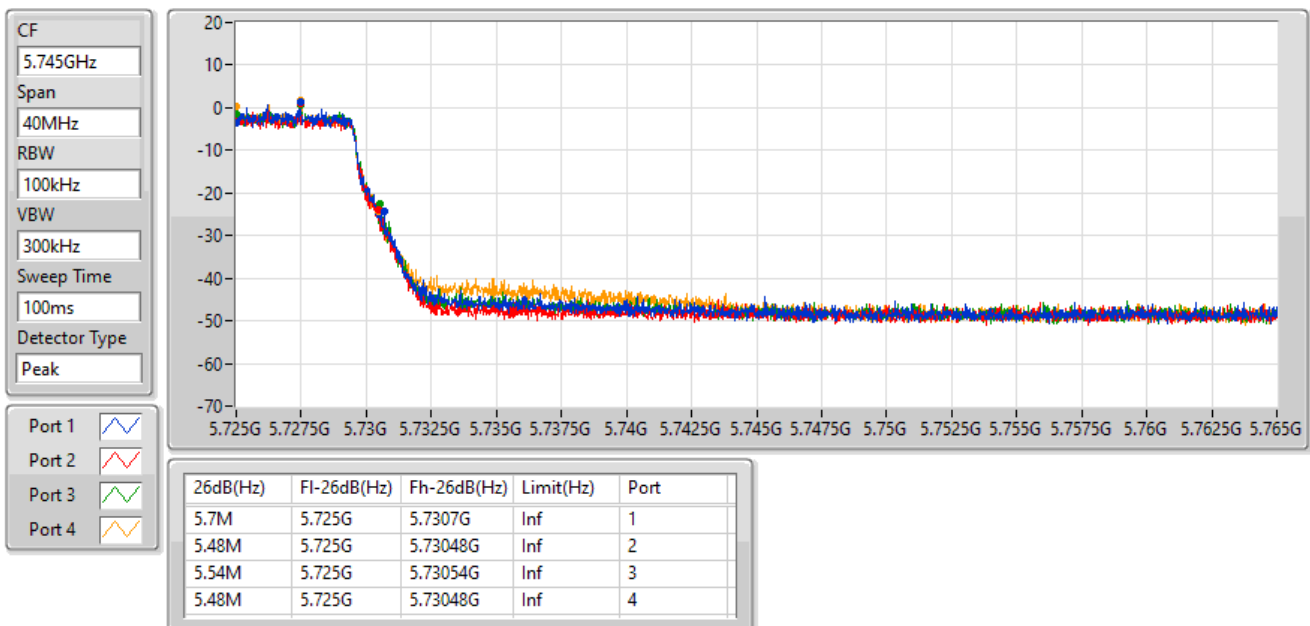


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2022

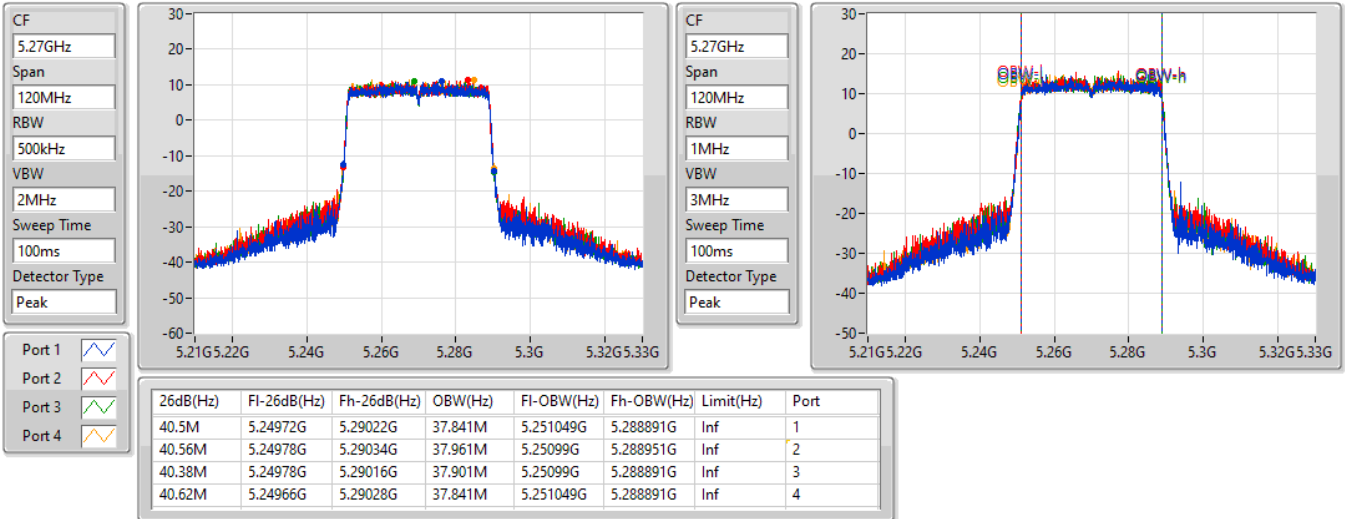


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

30/07/2022

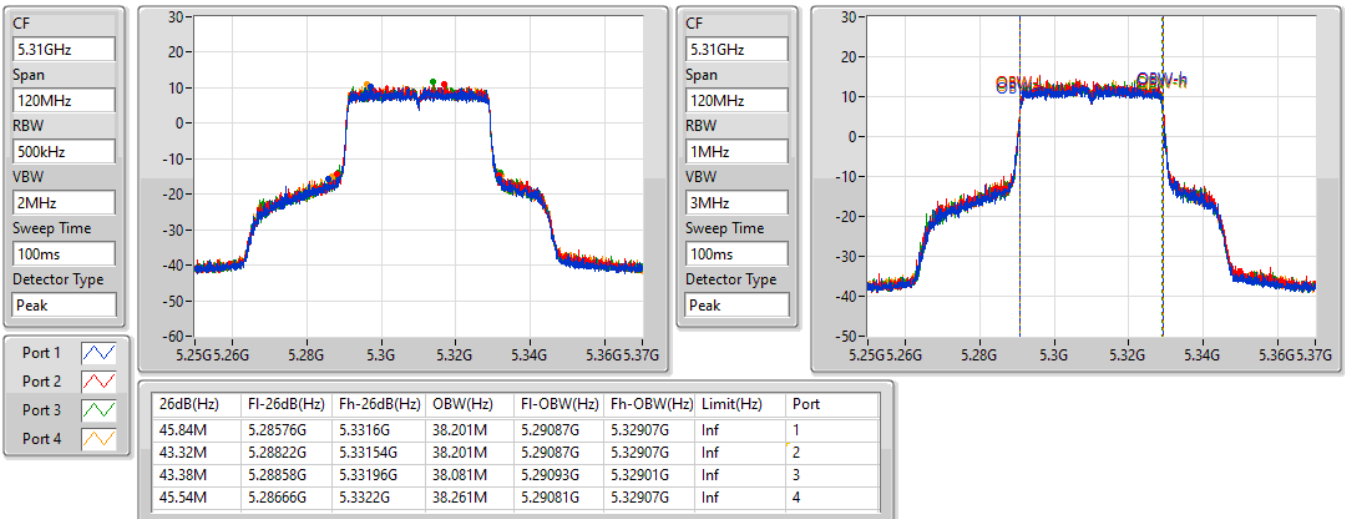


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

30/07/2022

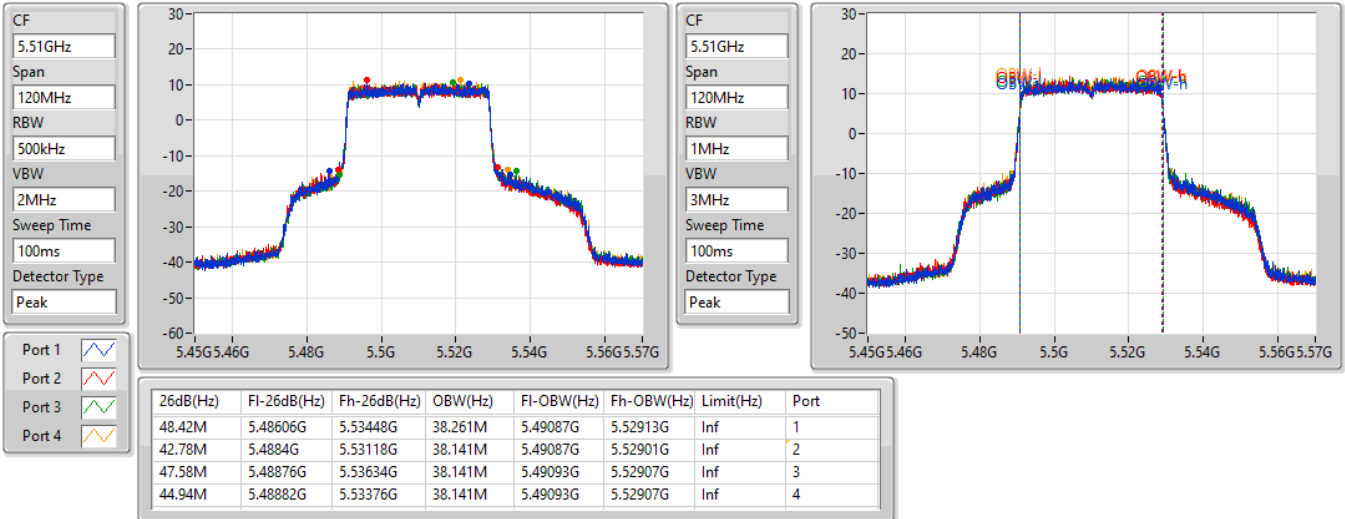


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

30/07/2022

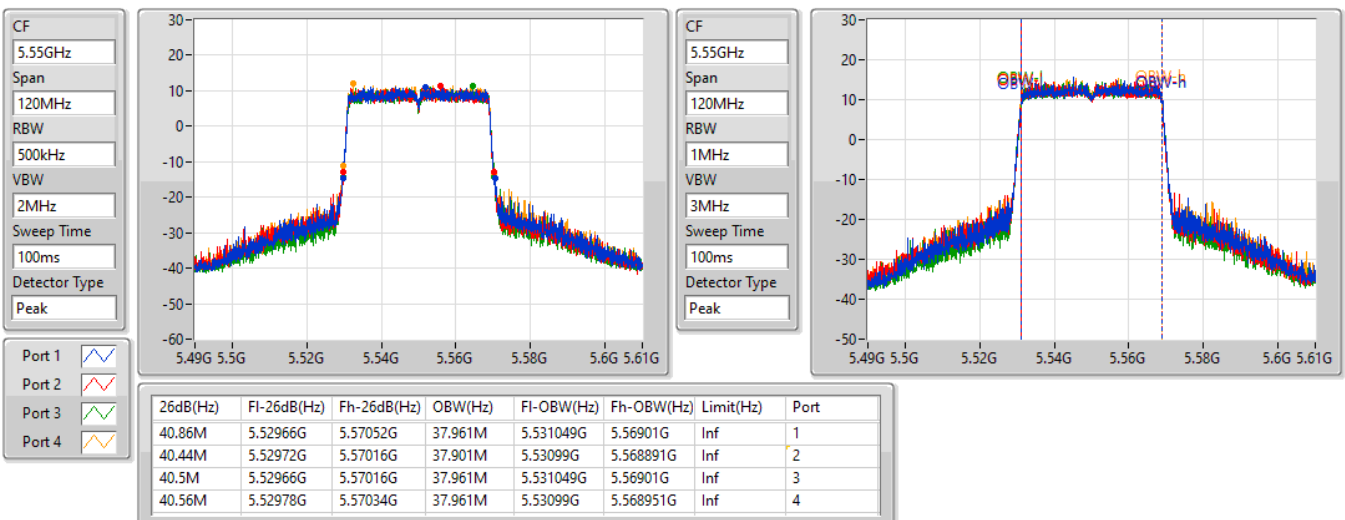


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

30/07/2022

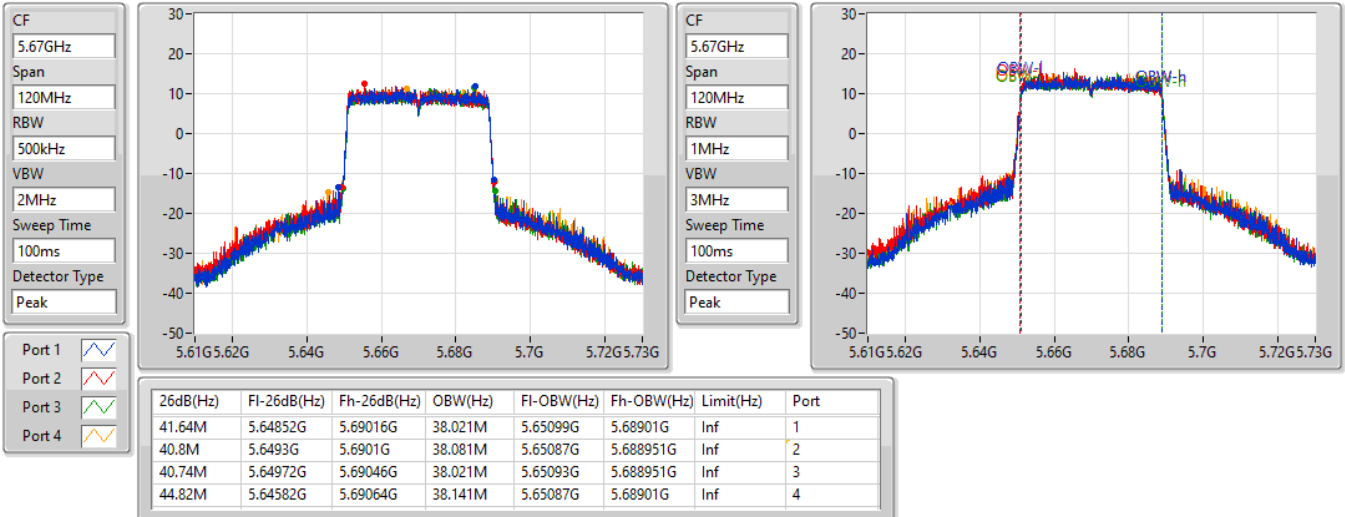


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

30/07/2022

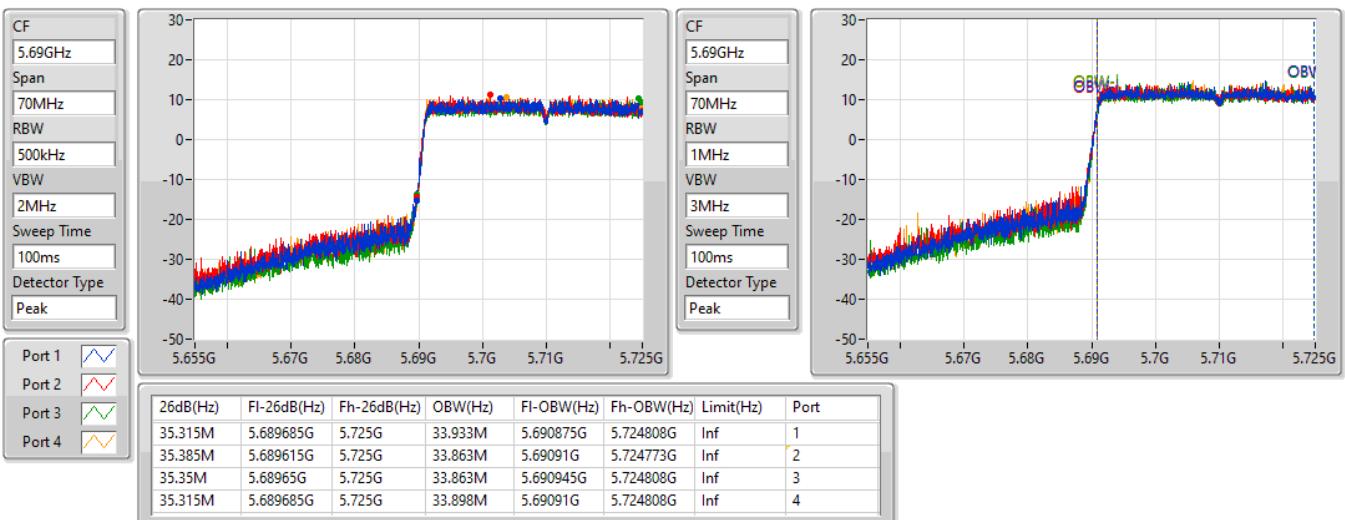


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

30/07/2022

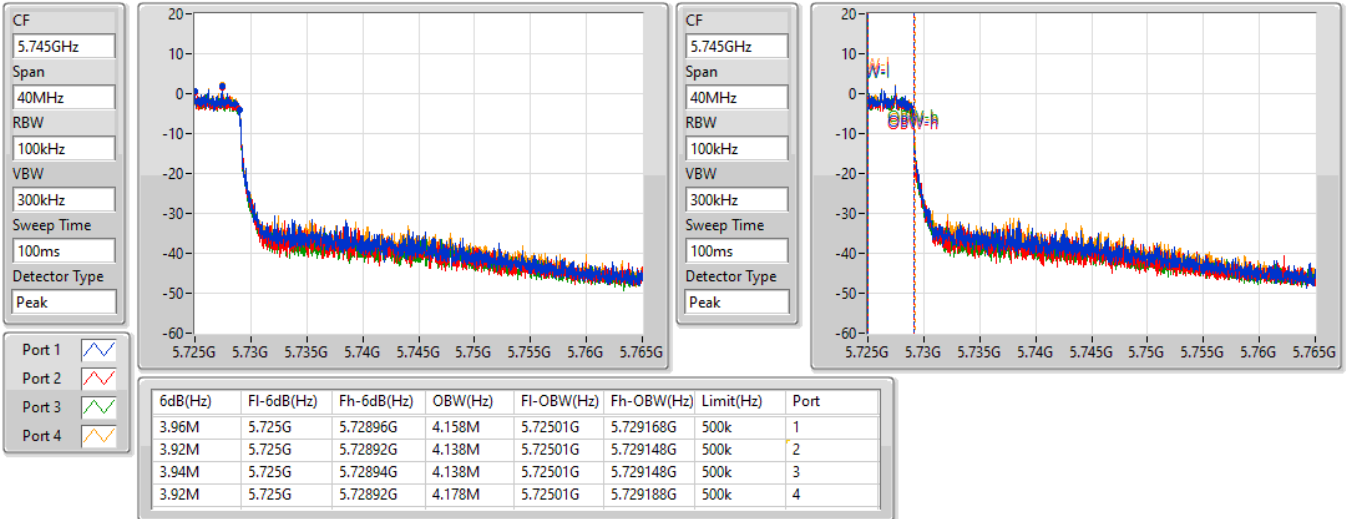


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/07/2022

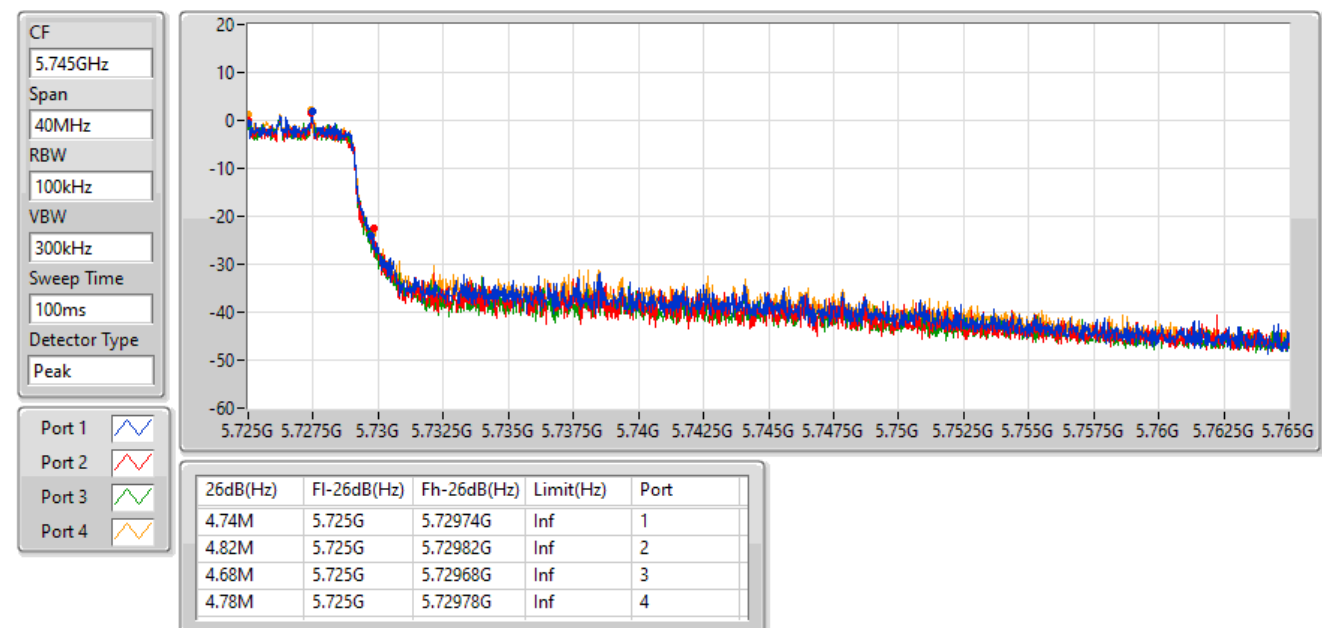


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/07/2022

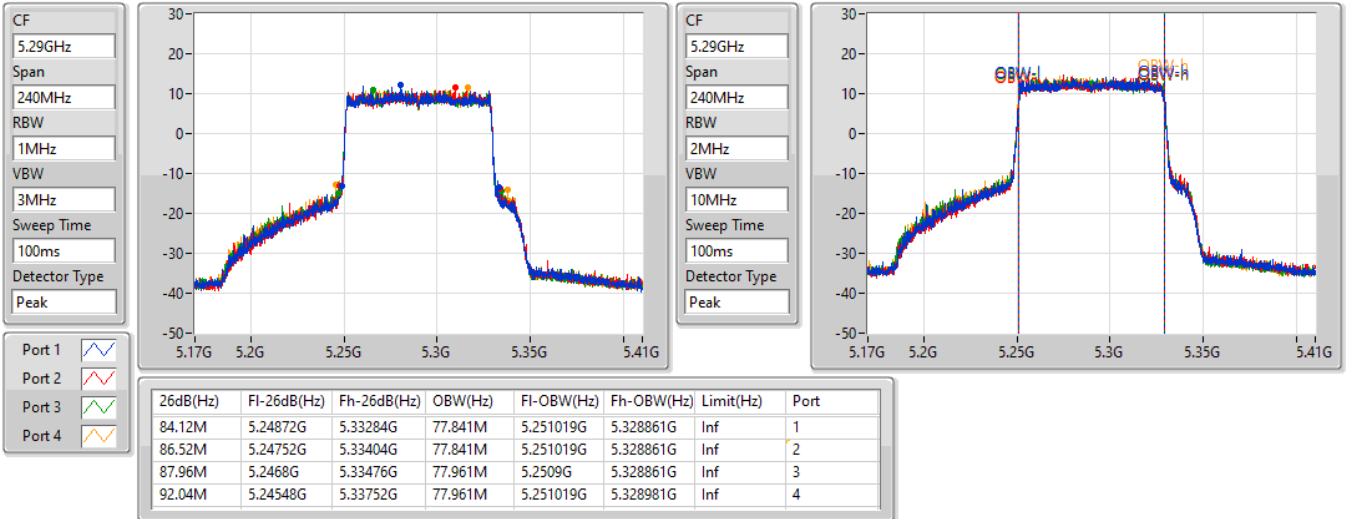


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

30/07/2022

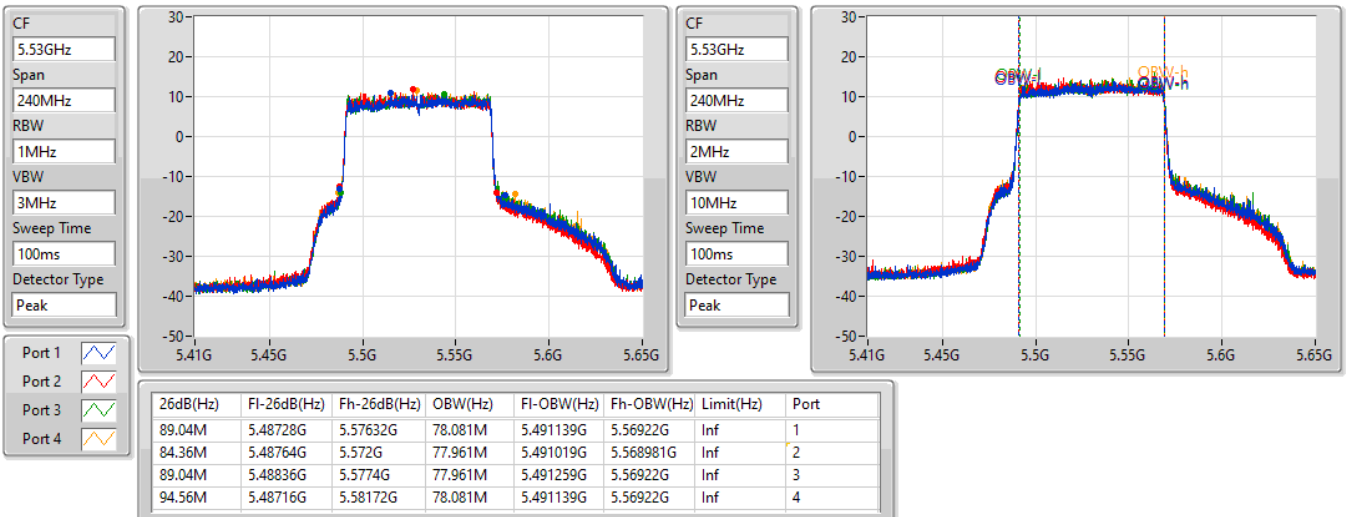


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

30/07/2022

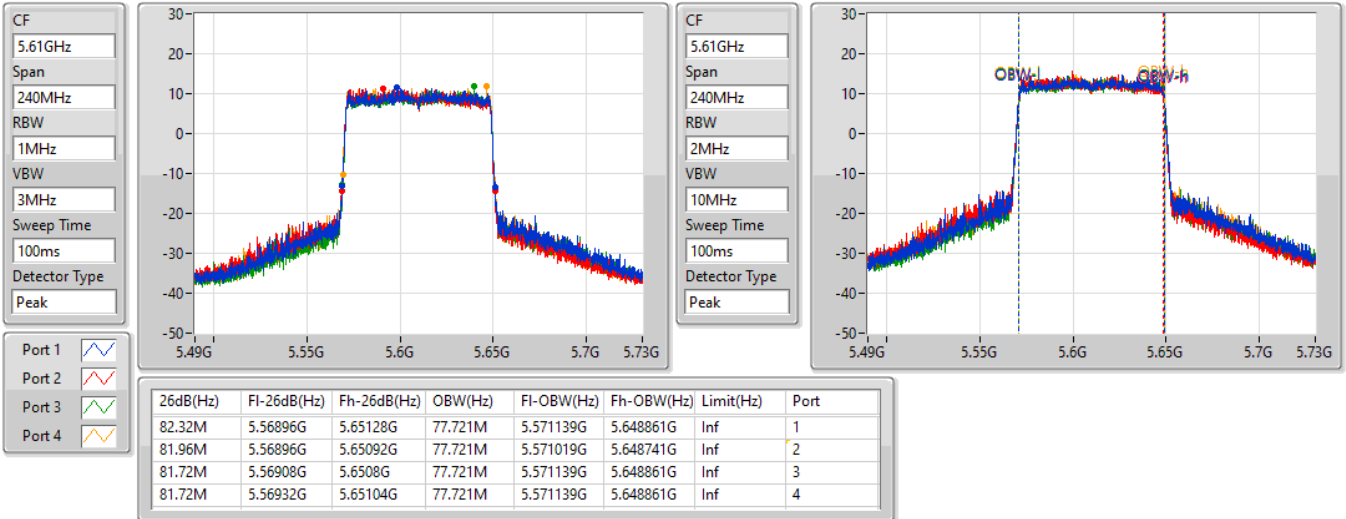


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

30/07/2022

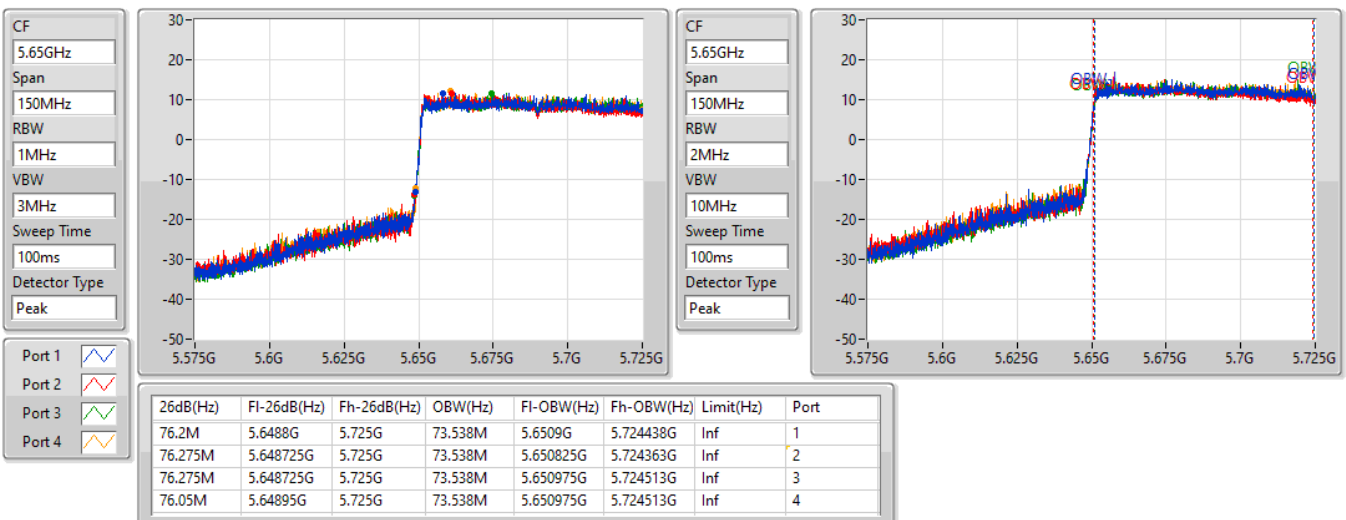


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

30/07/2022

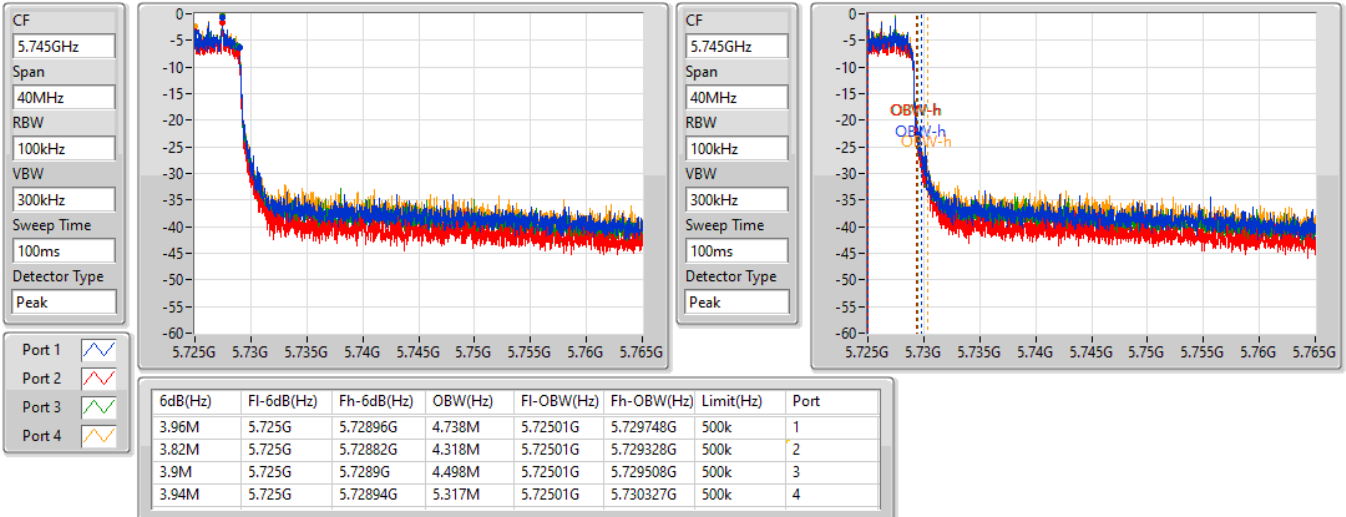


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/07/2022

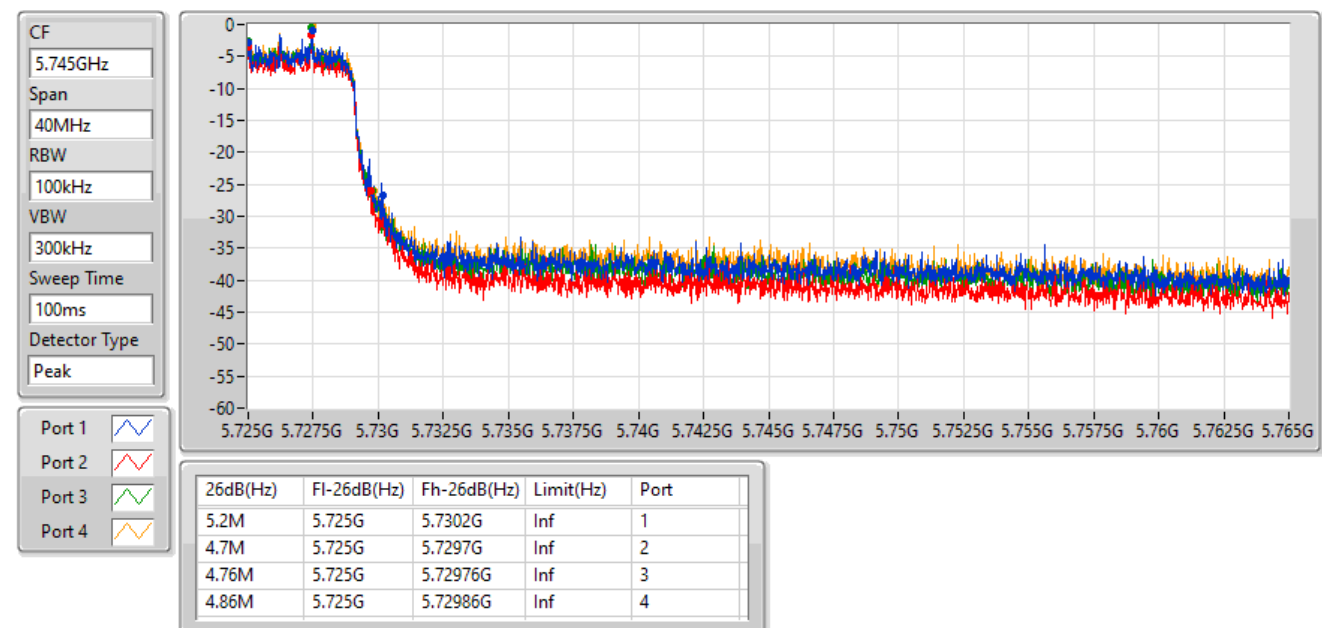


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

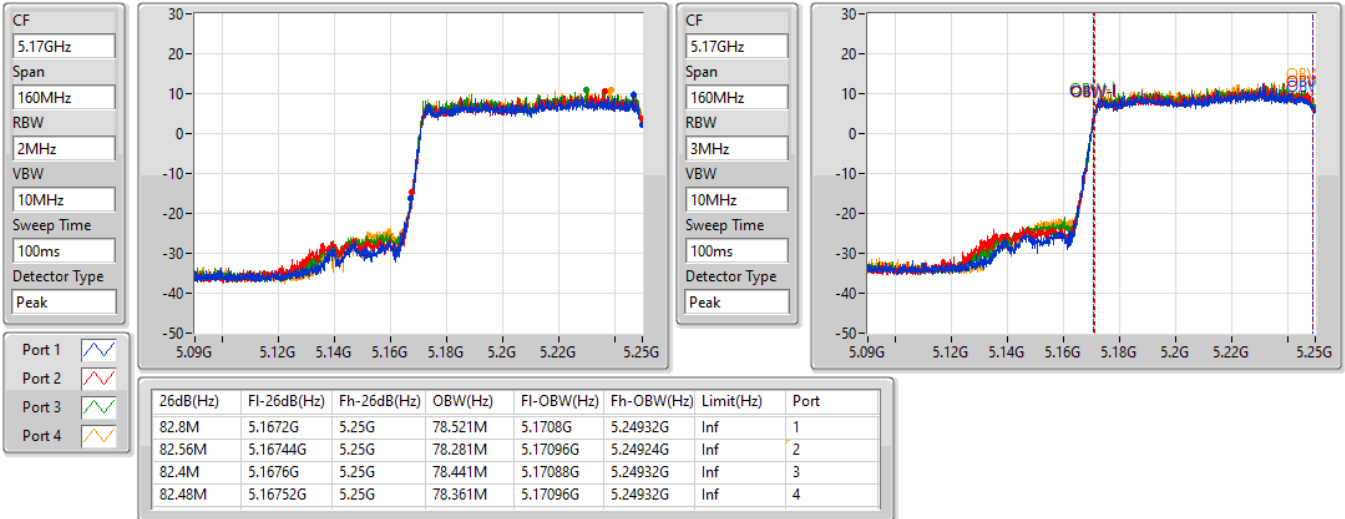
5690MHz Straddle 5.725-5.85GHz

30/07/2022

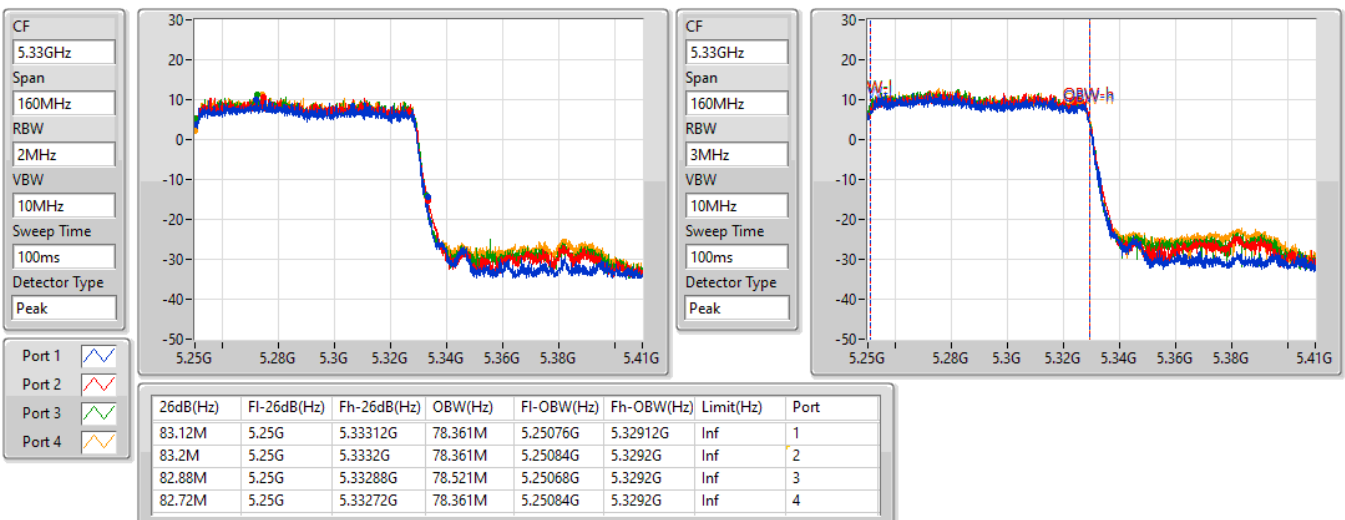


802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

30/07/2022


802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

30/07/2022

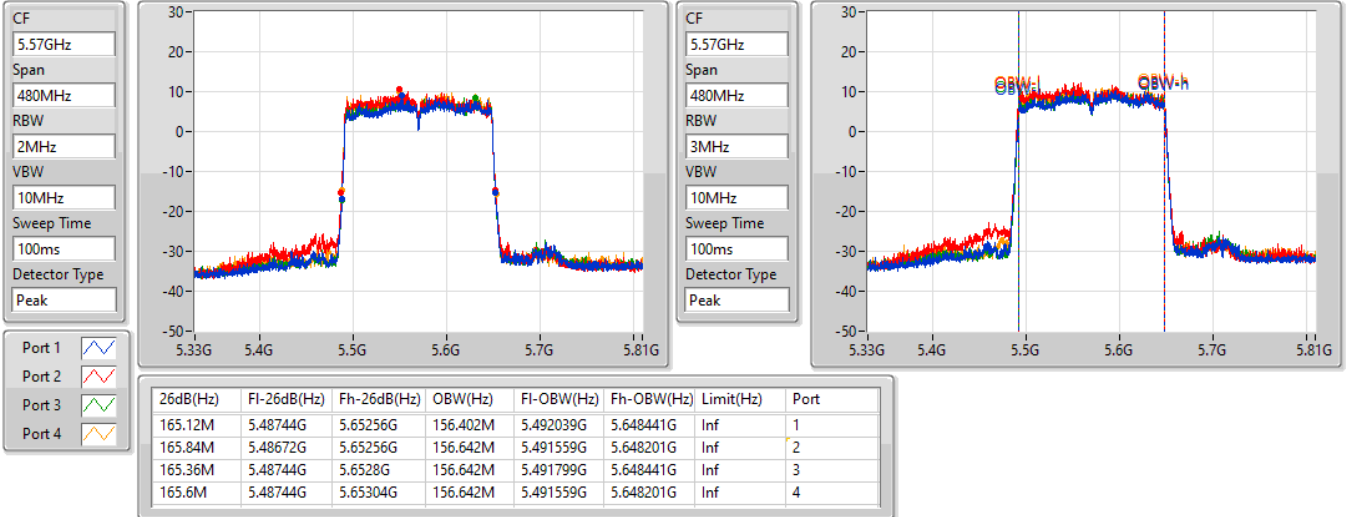


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

30/07/2022



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	82.64M	78.441M	78M4D1D	81.92M	78.361M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	26.01M	19.25M	19M3D1D	21.54M	19.07M
802.11ax HEW40_Nss4,(MCS0)_4TX	50.16M	38.261M	38M3D1D	40.32M	37.961M
802.11ax HEW80_Nss4,(MCS0)_4TX	89.64M	77.961M	78M0D1D	84.36M	77.841M
802.11ax HEW160_Nss4,(MCS0)_4TX	82.96M	78.601M	78M6D1D	82.08M	78.281M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	27.42M	19.28M	19M3D1D	15.75M	14.588M
802.11ax HEW40_Nss4,(MCS0)_4TX	49.02M	38.201M	38M2D1D	35.385M	33.933M
802.11ax HEW80_Nss4,(MCS0)_4TX	95.28M	77.961M	78M0D1D	75.975M	73.538M
802.11ax HEW160_Nss4,(MCS0)_4TX	164.64M	156.642M	157MD1D	163.92M	156.402M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	4.48M	4.698M	4M70D1D	4.44M	4.658M
802.11ax HEW40_Nss4,(MCS0)_4TX	3.9M	4.958M	4M96D1D	3.84M	4.318M
802.11ax HEW80_Nss4,(MCS0)_4TX	3.92M	13.013M	13M0D1D	3.8M	6.417M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.75M	19.16M	21.6M	19.1M	21.72M	19.1M	21.72M	19.1M
5300MHz	Pass	Inf	21.78M	19.16M	21.54M	19.13M	21.66M	19.07M	21.63M	19.1M
5320MHz	Pass	Inf	23.07M	19.22M	26.01M	19.25M	24M	19.22M	22.59M	19.19M
5500MHz	Pass	Inf	24.9M	19.28M	22.17M	19.19M	24.09M	19.19M	27.42M	19.25M
5580MHz	Pass	Inf	21.72M	19.13M	21.57M	19.13M	21.54M	19.1M	21.69M	19.07M
5700MHz	Pass	Inf	21.69M	19.13M	21.75M	19.1M	21.96M	19.13M	21.93M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.855M	14.618M	15.75M	14.618M	15.825M	14.588M	15.78M	14.603M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.698M	4.44M	4.658M	4.48M	4.658M	4.44M	4.678M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.74M	37.961M	40.32M	37.961M	40.56M	37.961M	40.56M	37.961M
5310MHz	Pass	Inf	43.44M	38.261M	43.62M	38.141M	50.16M	38.261M	49.38M	38.081M
5510MHz	Pass	Inf	45.48M	38.201M	42.9M	38.141M	45.24M	38.201M	49.02M	38.141M
5550MHz	Pass	Inf	40.74M	38.021M	40.5M	37.961M	40.56M	37.961M	40.5M	37.961M
5670MHz	Pass	Inf	40.62M	38.081M	40.38M	38.021M	41.1M	38.021M	40.62M	38.021M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.385M	33.968M	35.42M	33.933M	35.63M	33.968M	35.49M	33.968M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.9M	4.358M	3.84M	4.838M	3.86M	4.318M	3.86M	4.958M
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	89.52M	77.961M	84.36M	77.841M	84.36M	77.841M	89.64M	77.961M
5530MHz	Pass	Inf	87.72M	77.961M	82.32M	77.841M	95.28M	77.841M	92.52M	77.961M
5610MHz	Pass	Inf	81.84M	77.601M	81.36M	77.721M	81.72M	77.601M	81.6M	77.721M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.2M	73.538M	76.2M	73.763M	75.975M	73.763M	76.275M	73.613M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	11.554M	3.8M	6.417M	3.86M	10.195M	3.92M	13.013M
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.92M	78.441M	82.4M	78.441M	82.4M	78.361M	82.64M	78.361M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.64M	78.441M	82.96M	78.601M	82.24M	78.281M	82.08M	78.281M
5570MHz	Pass	Inf	164.64M	156.642M	164.64M	156.402M	163.92M	156.402M	164.64M	156.402M

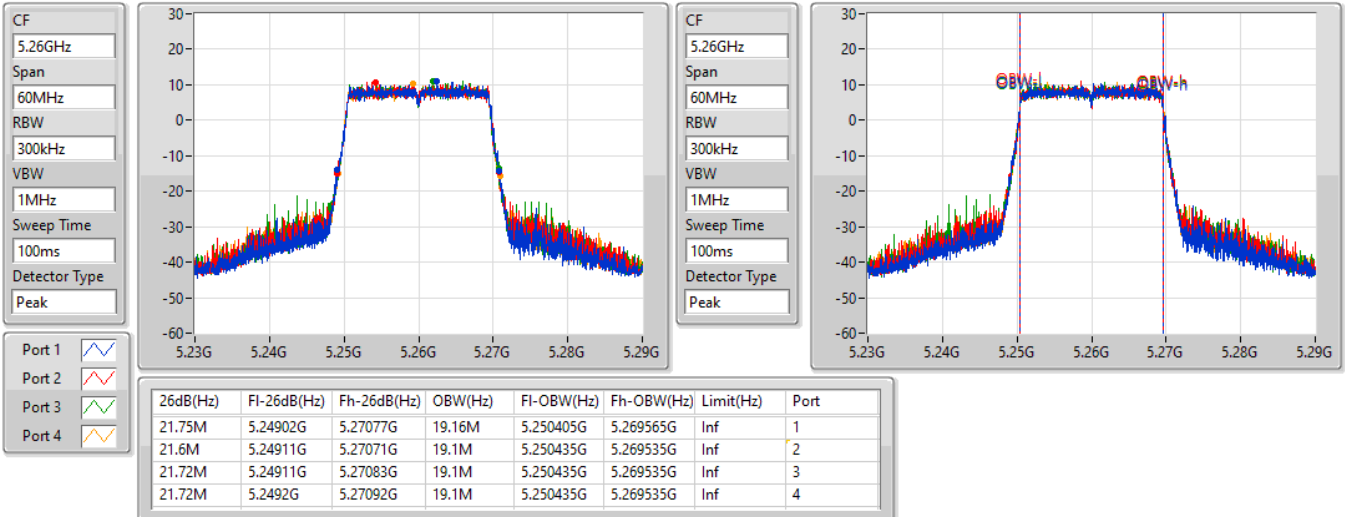
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5260MHz

02/08/2022

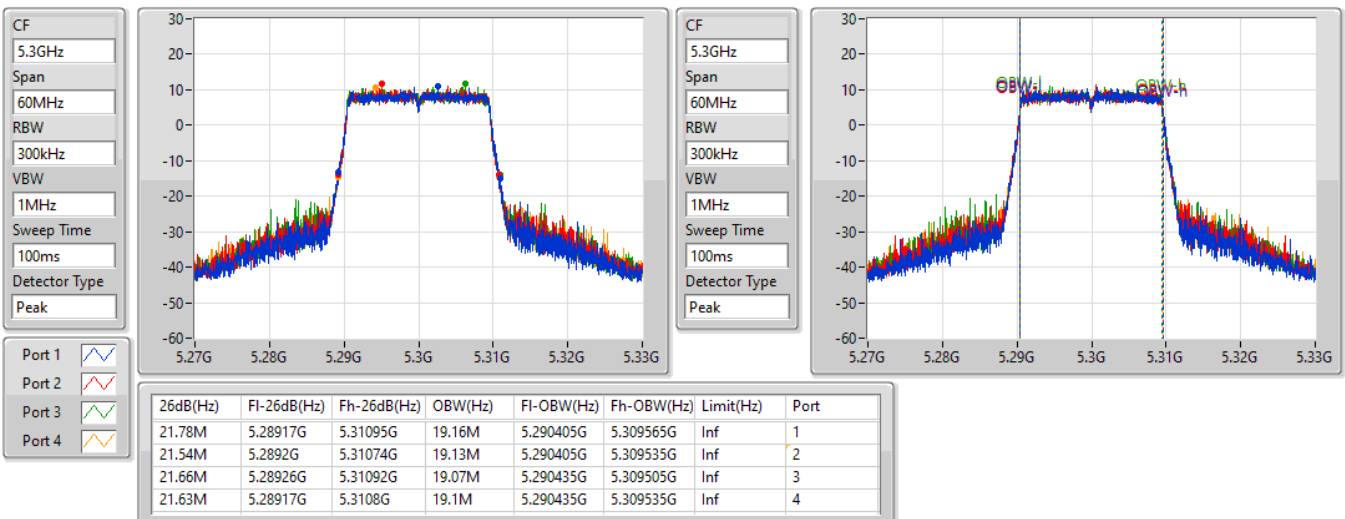


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5300MHz

02/08/2022

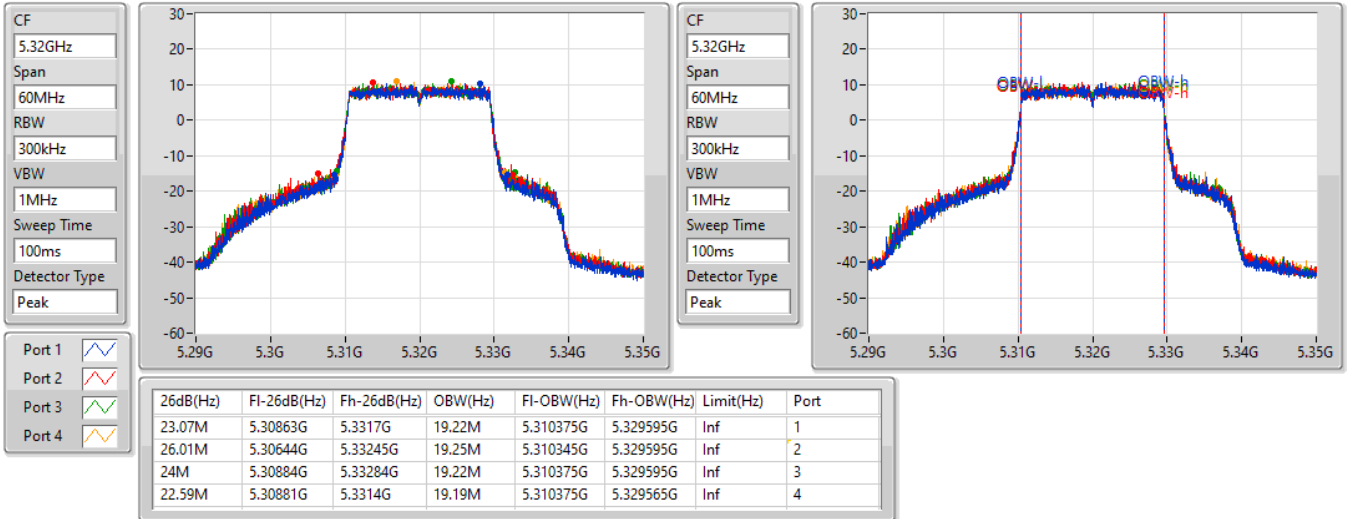


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5320MHz

02/08/2022

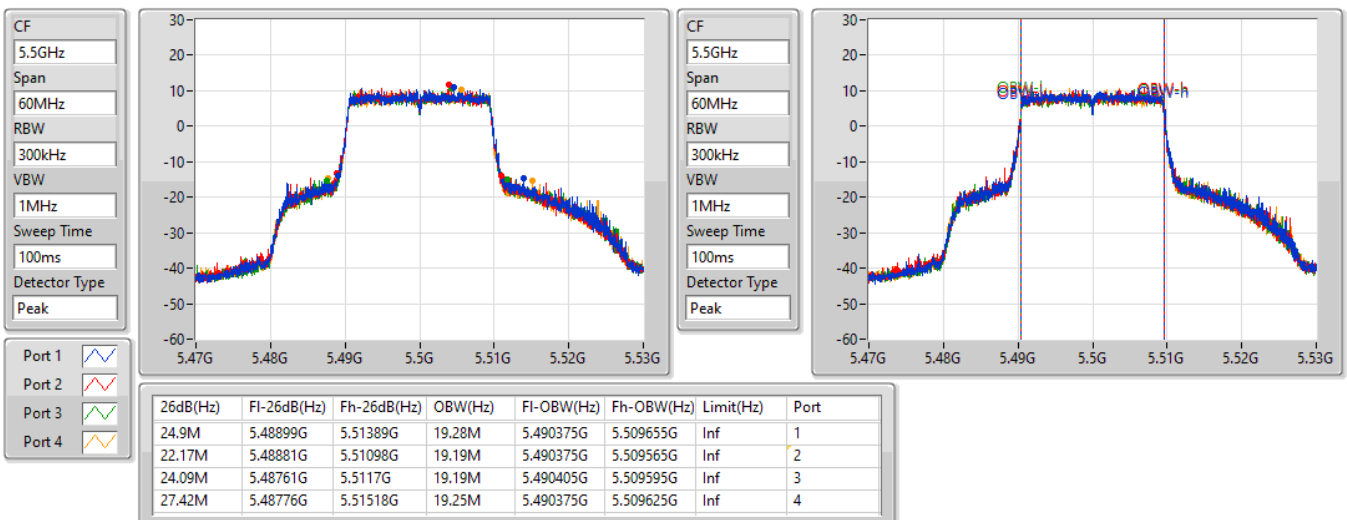


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5500MHz

02/08/2022

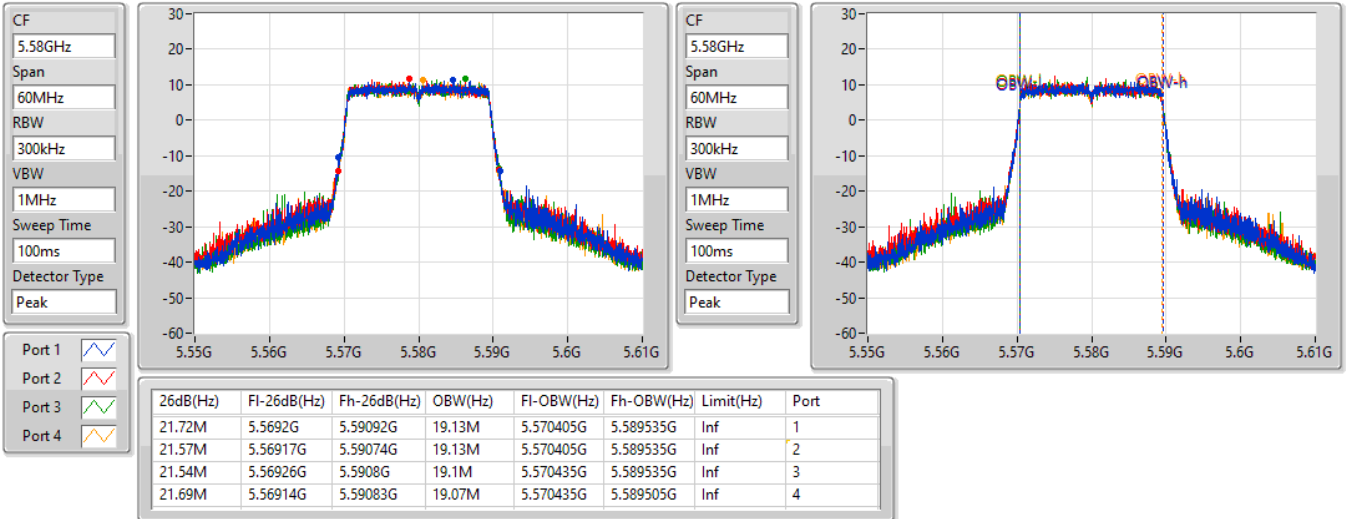


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5580MHz

02/08/2022

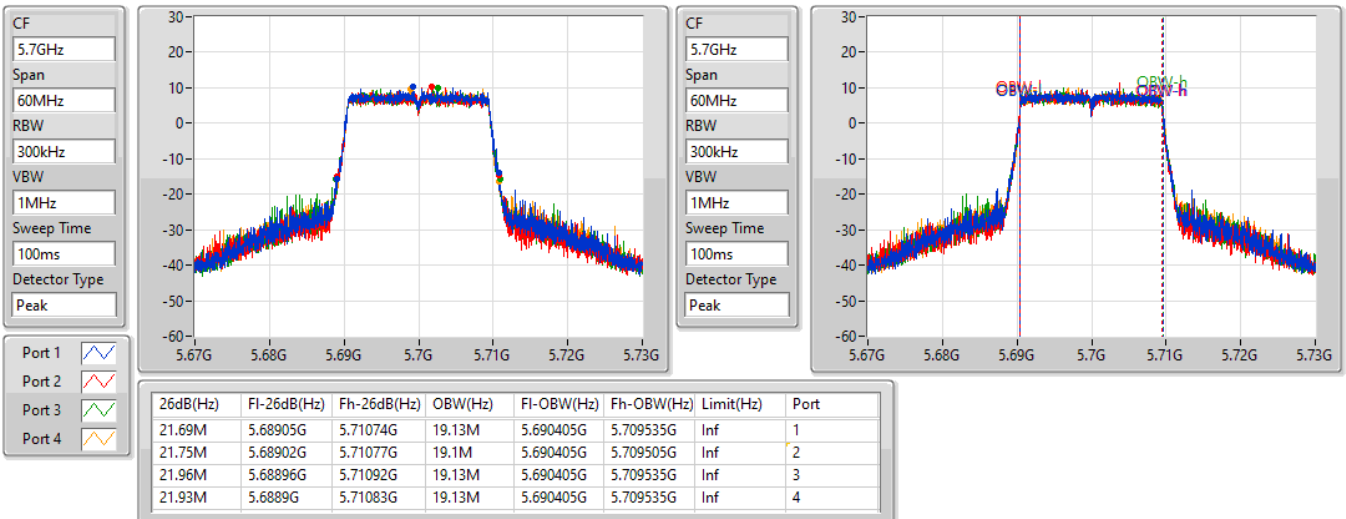


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5700MHz

02/08/2022

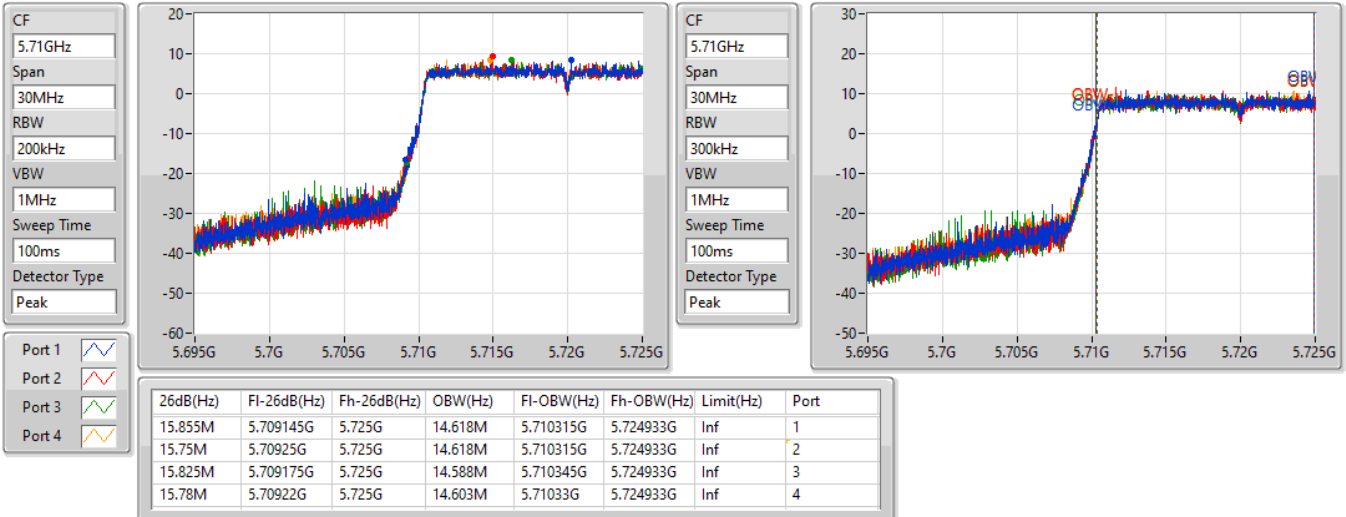


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

02/08/2022

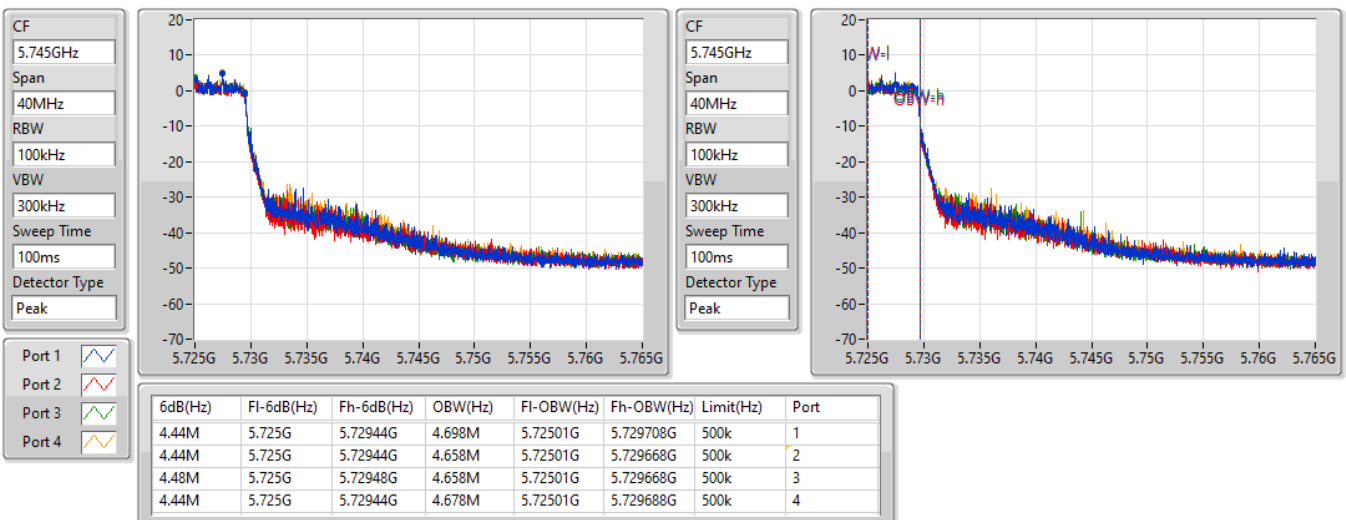


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

02/08/2022

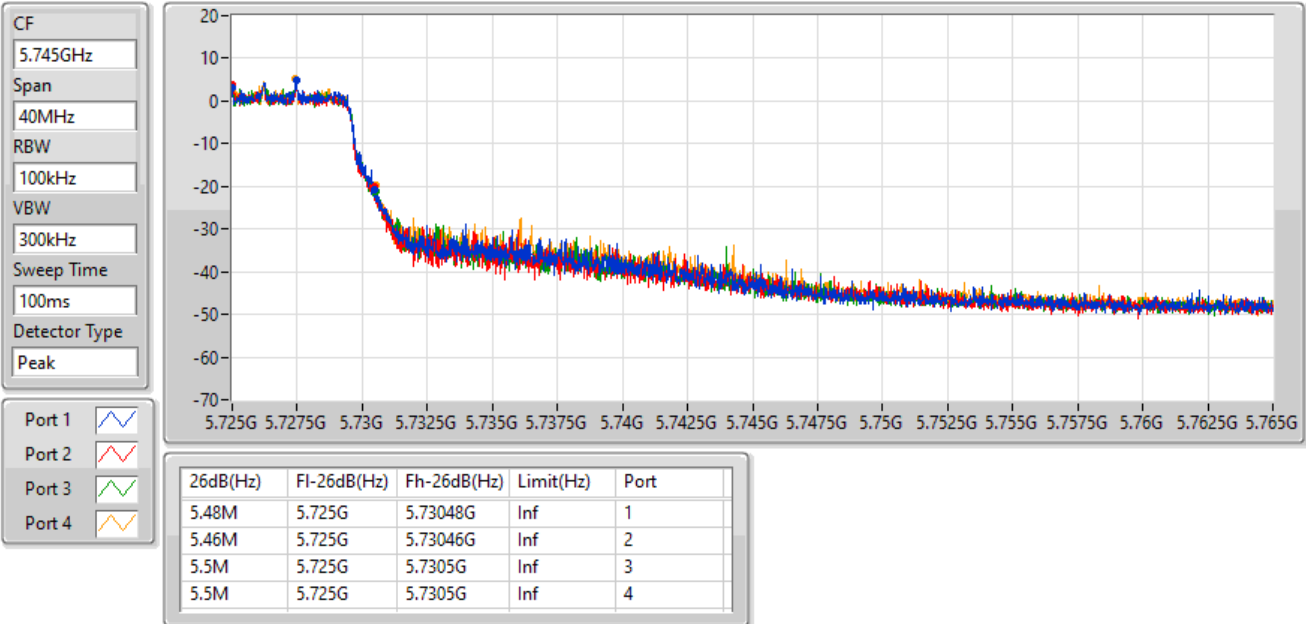


802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

02/08/2022

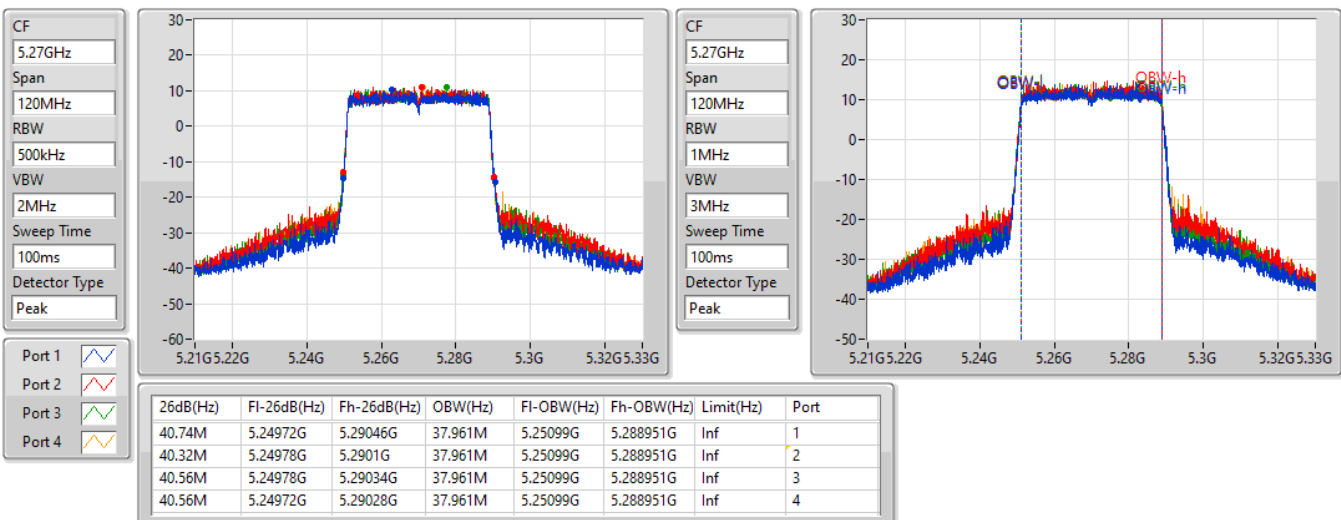


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5270MHz

02/08/2022

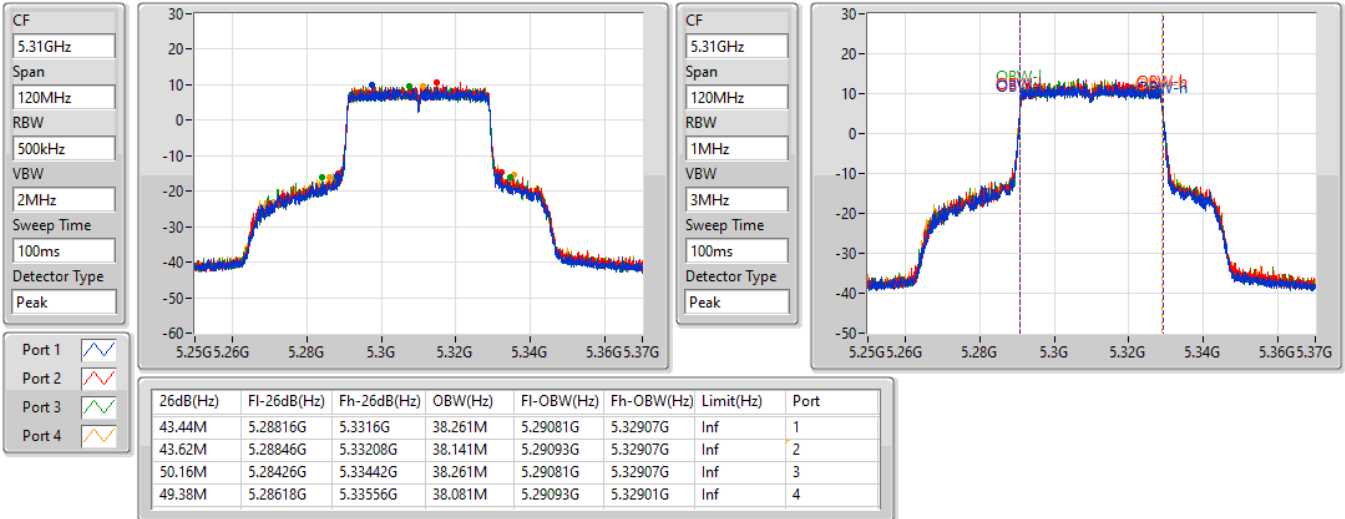


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5310MHz

02/08/2022

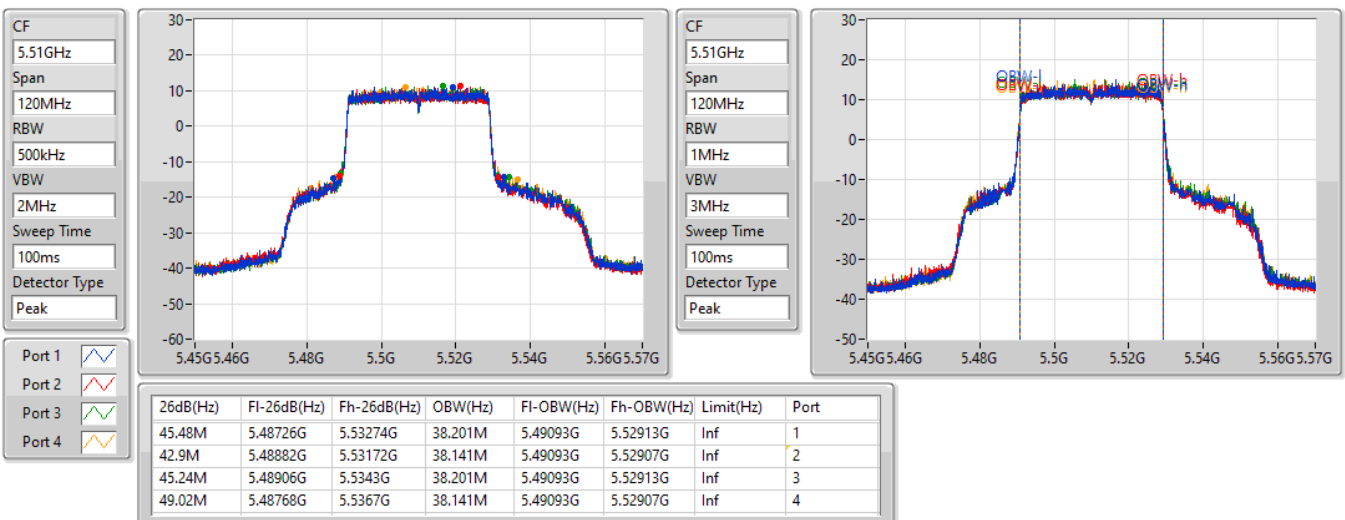


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5510MHz

02/08/2022



802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5550MHz

02/08/2022

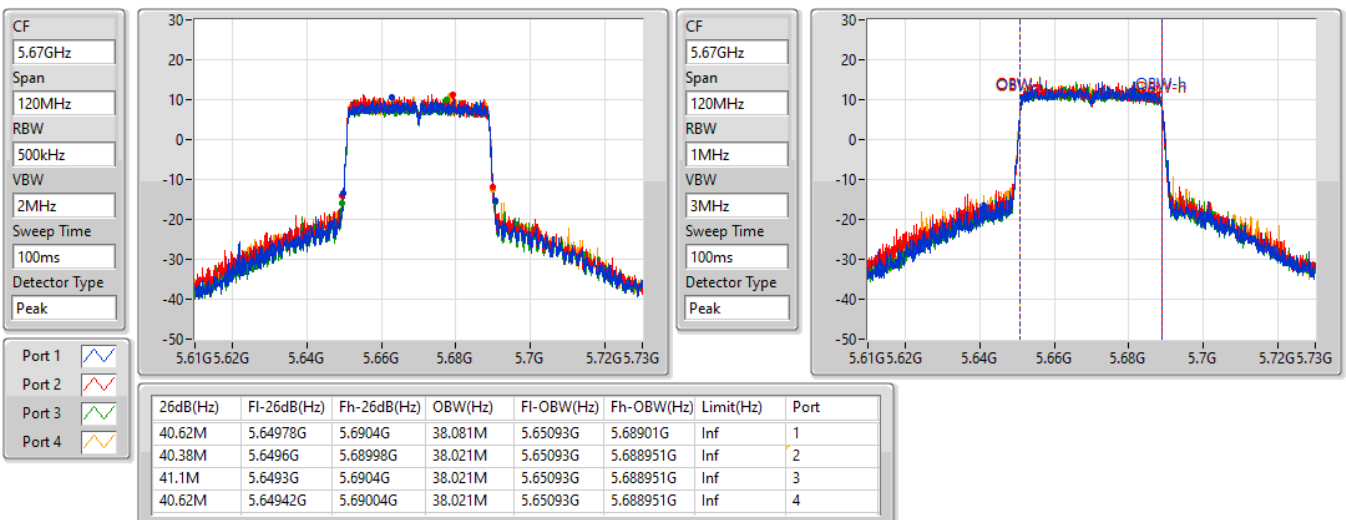


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

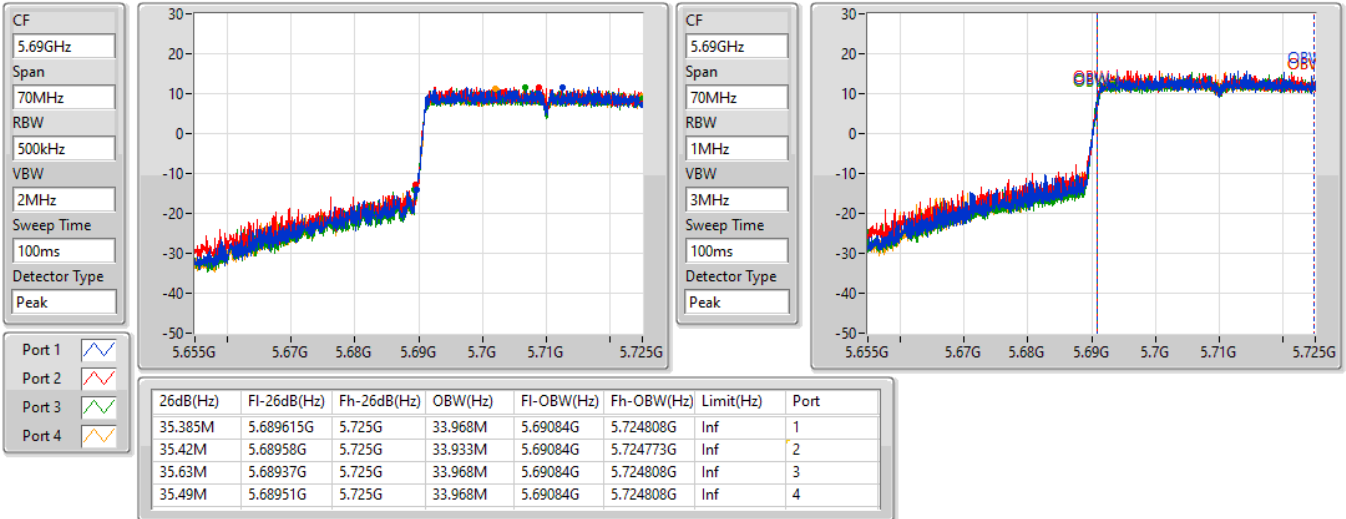
5670MHz

02/08/2022

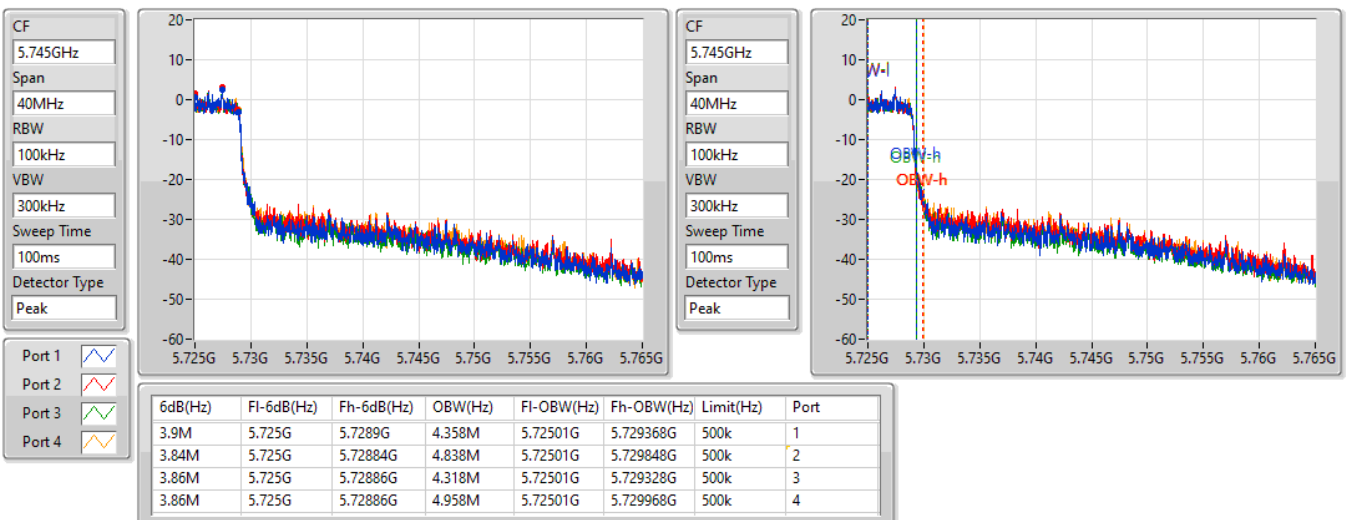


802.11ax HEW40_Nss4,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

02/08/2022


802.11ax HEW40_Nss4,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

02/08/2022

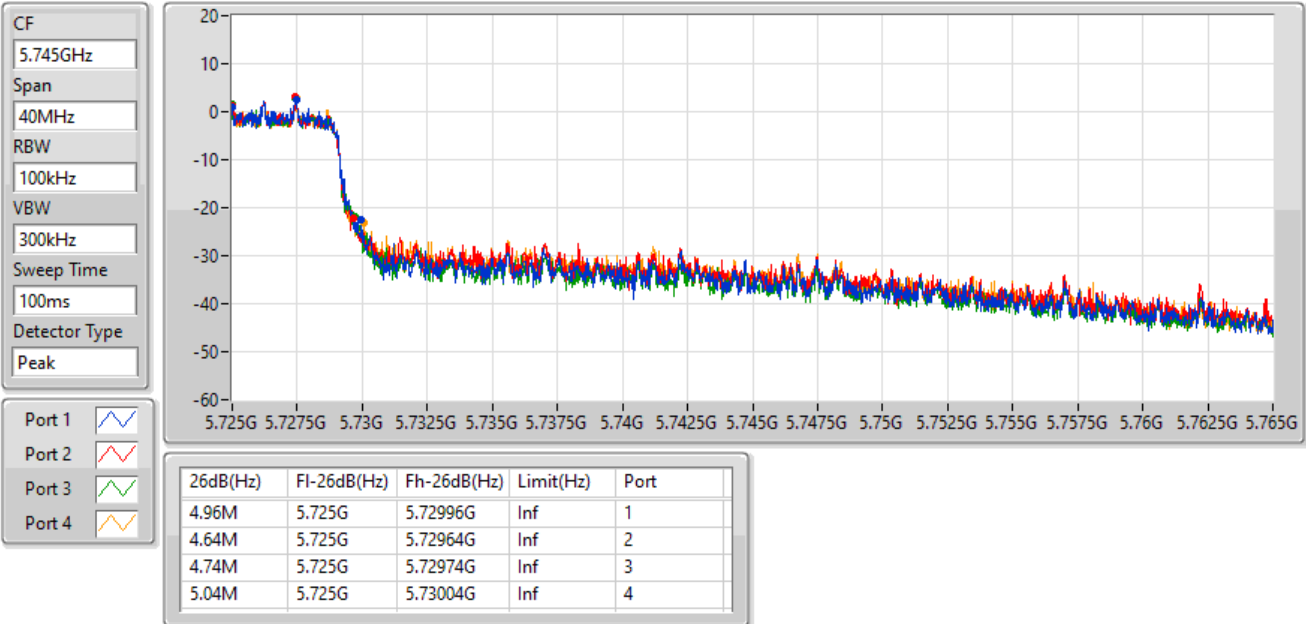


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

02/08/2022

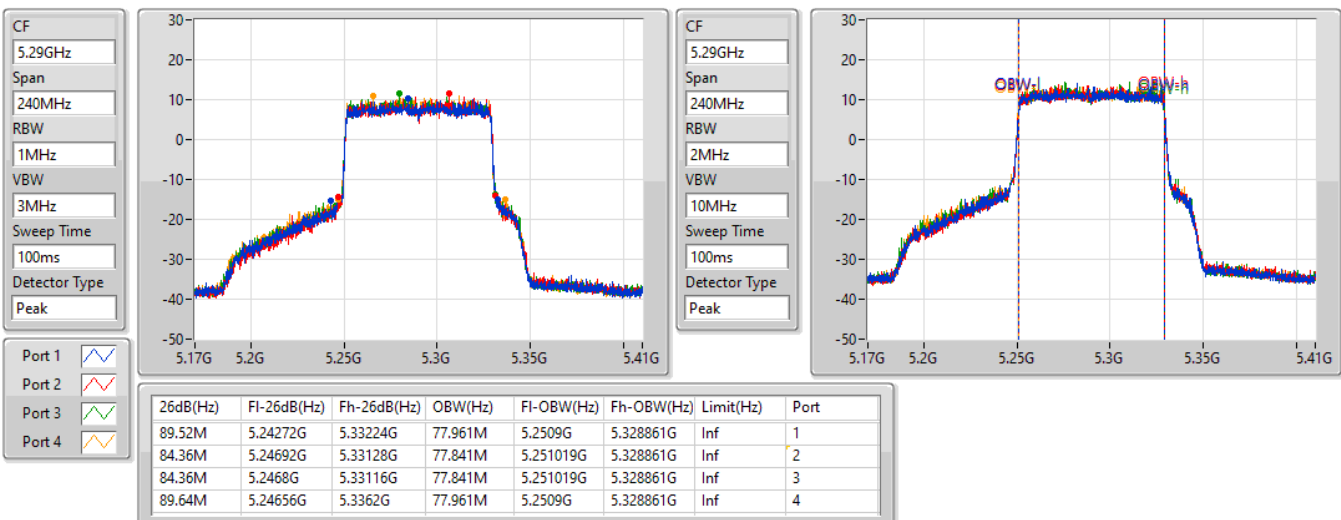


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5290MHz

02/08/2022

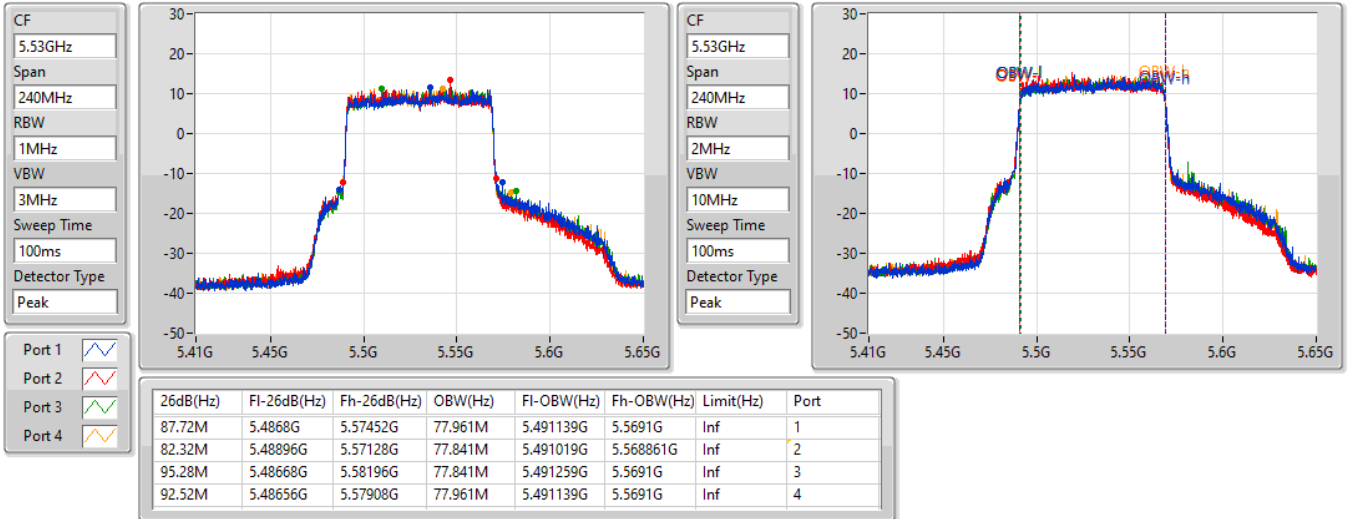


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5530MHz

02/08/2022

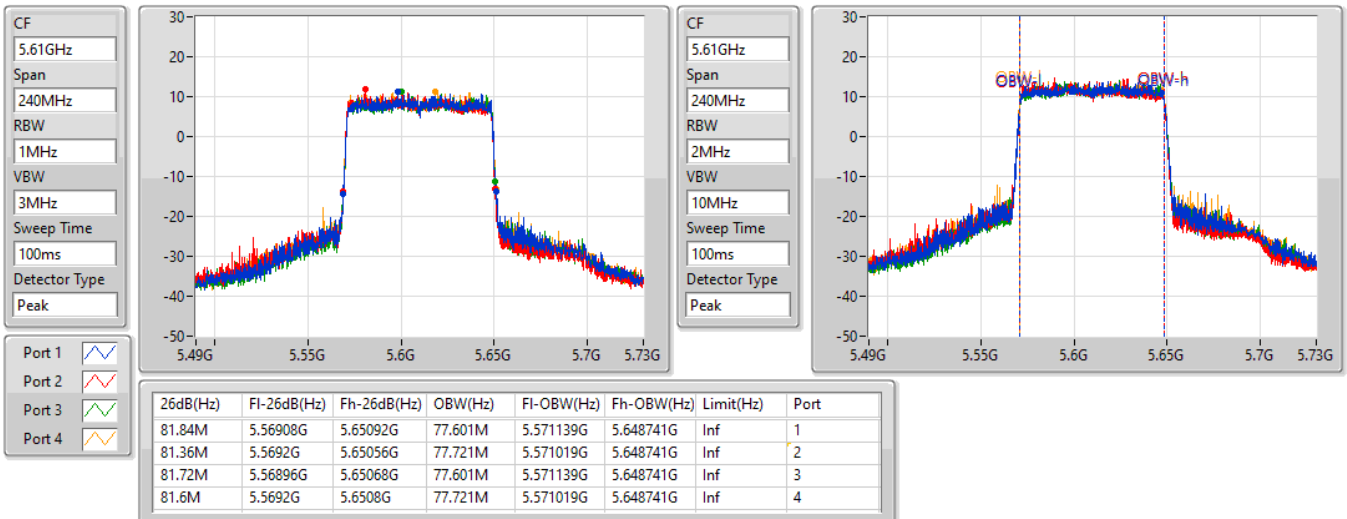


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5610MHz

02/08/2022

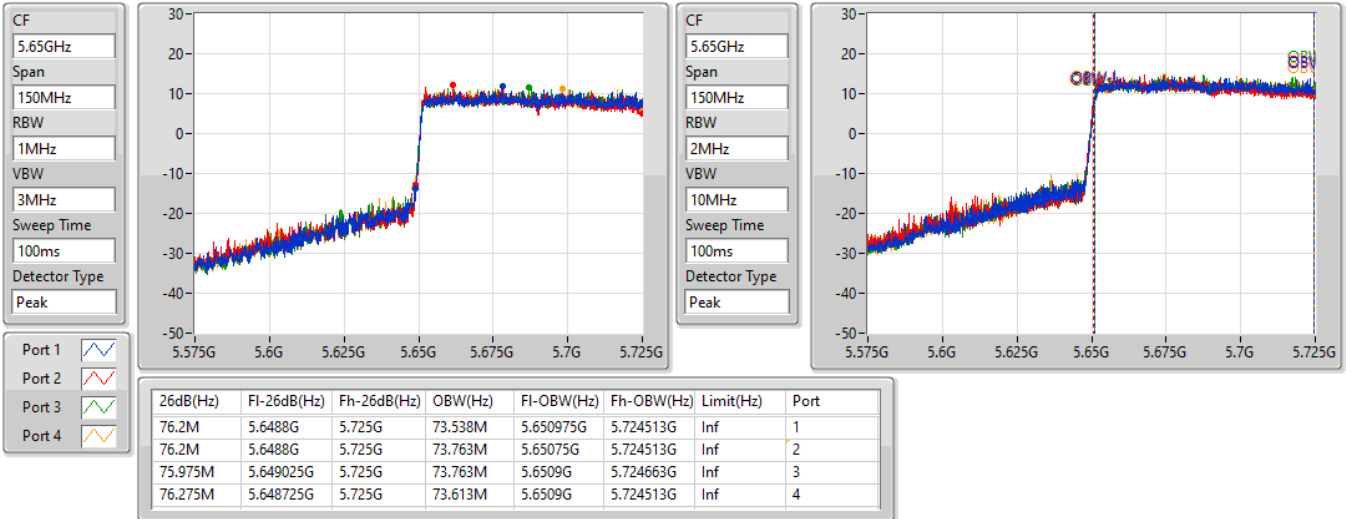


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

02/08/2022

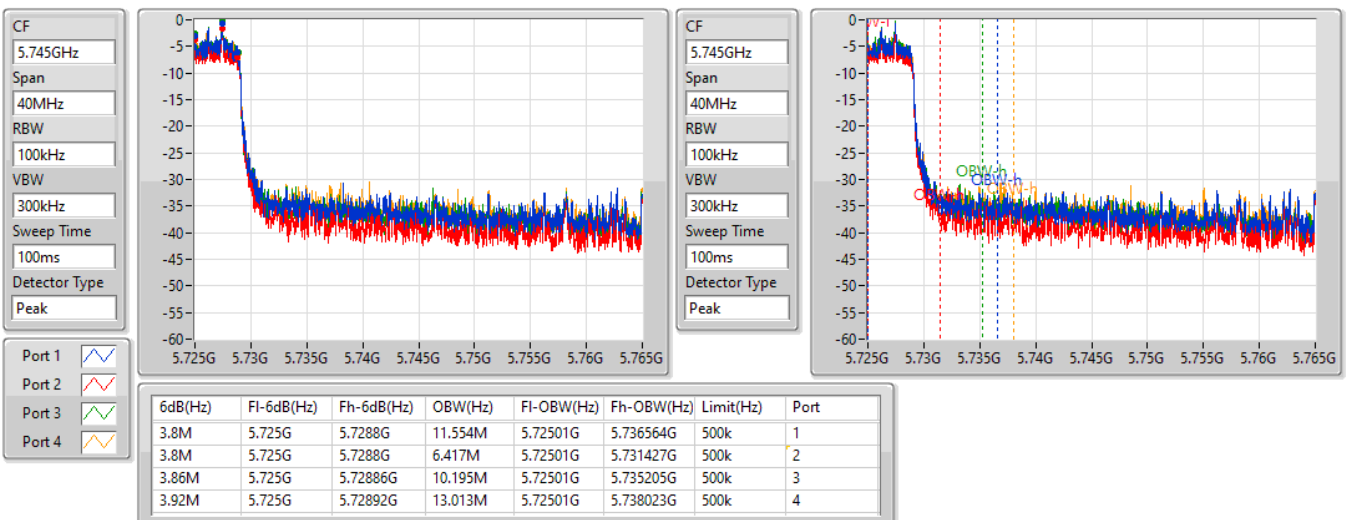


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

02/08/2022

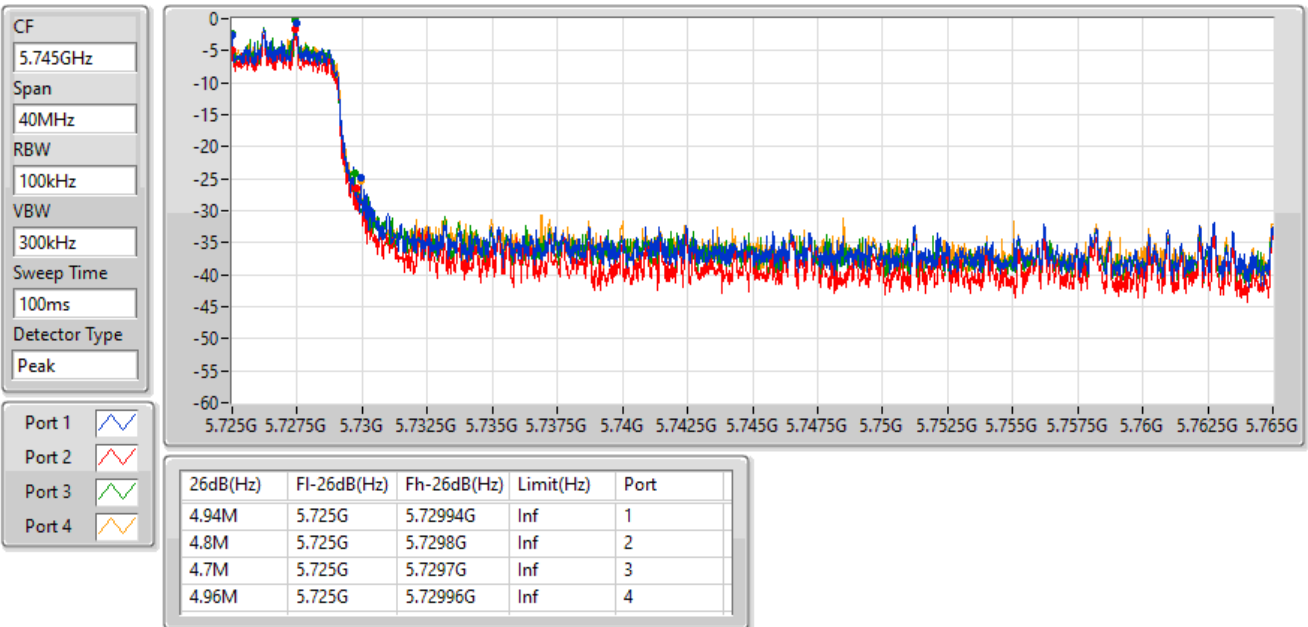


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

02/08/2022

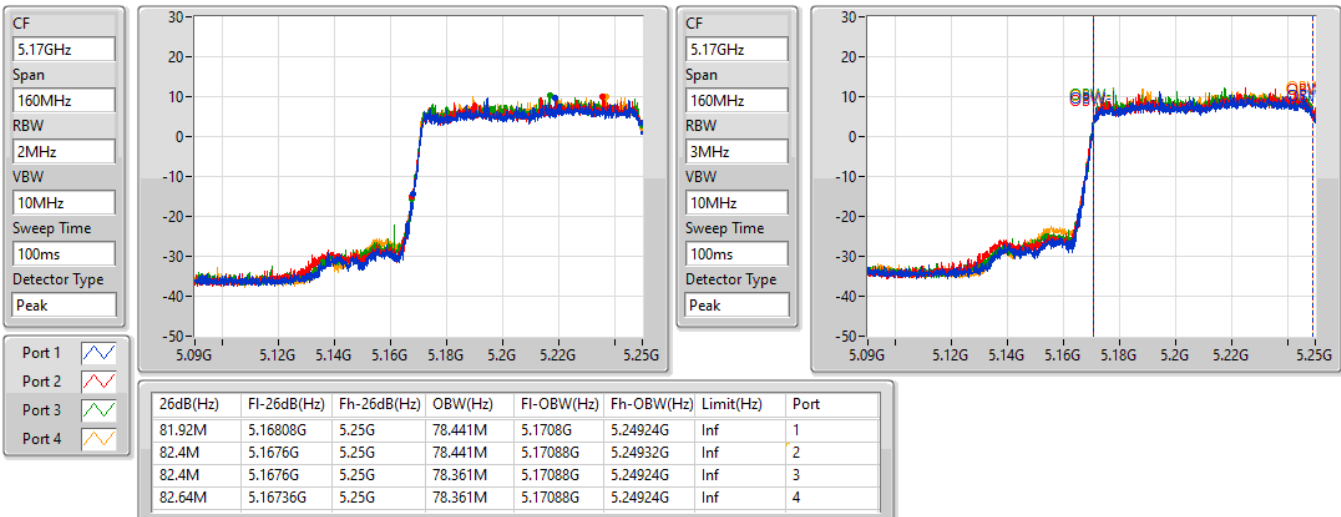


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

02/08/2022

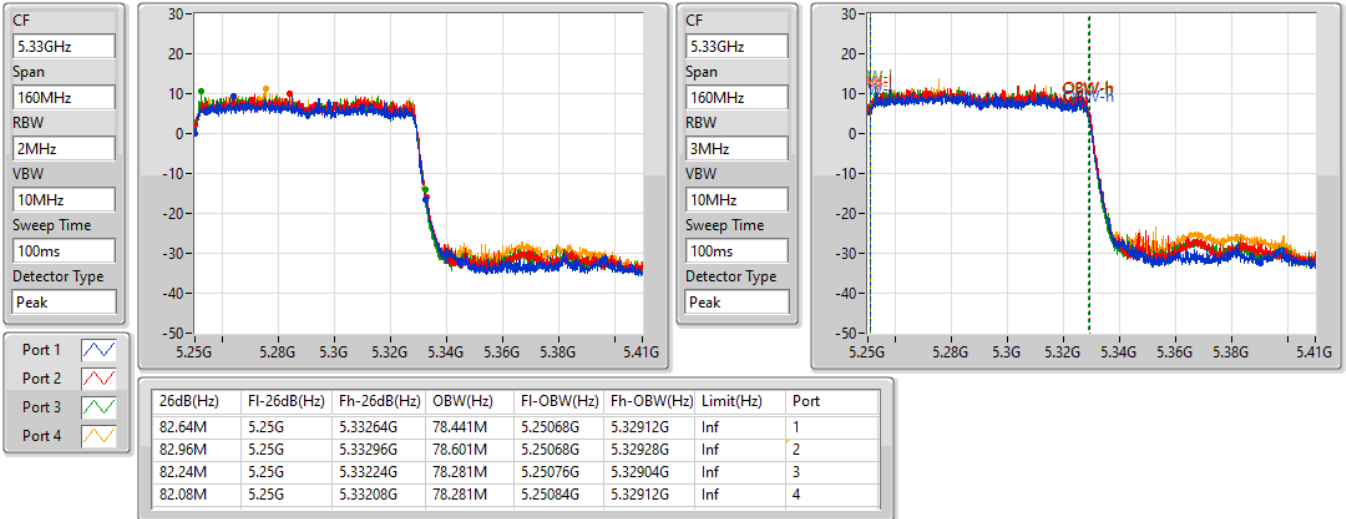


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

02/08/2022



802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5570MHz

02/08/2022





EBW_Set 5 antenna with 70 degree_Scanning R1_2T1S_2T2S Appendix A.11

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	39.21M	19.55M	19M6D1D	27.36M	17.331M
802.11ax HEW20_Nss2,(MCS0)_2TX	41.64M	19.85M	19M9D1D	25.11M	19.25M
802.11ax HEW40_Nss2,(MCS0)_2TX	71.64M	39.16M	39M2D1D	47.16M	38.141M
802.11ax HEW80_Nss2,(MCS0)_2TX	84.96M	78.081M	78M1D1D	83.04M	78.081M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	38.25M	19.31M	19M3D1D	21.63M	14.513M
802.11ax HEW20_Nss2,(MCS0)_2TX	43.38M	19.91M	19M9D1D	21.72M	14.783M
802.11ax HEW40_Nss2,(MCS0)_2TX	72.42M	39.28M	39M3D1D	40.56M	34.423M
802.11ax HEW80_Nss2,(MCS0)_2TX	123.48M	79.04M	79M0D1D	82.32M	74.063M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.16M	9.935M	9M94D1D	3.14M	9.295M
802.11ax HEW20_Nss2,(MCS0)_2TX	4.52M	10.315M	10M3D1D	4.44M	8.716M
802.11ax HEW40_Nss2,(MCS0)_2TX	3.92M	22.509M	22M5D1D	3.84M	21.609M
802.11ax HEW80_Nss2,(MCS0)_2TX	3.92M	32.764M	32M8D1D	3.9M	30.665M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	38.16M	19.43M	35.31M	17.991M
5300MHz	Pass	Inf	39.21M	19.55M	34.83M	17.811M
5320MHz	Pass	Inf	27.78M	17.751M	27.36M	17.331M
5500MHz	Pass	Inf	26.43M	17.511M	28.38M	17.481M
5580MHz	Pass	Inf	31.71M	17.541M	38.25M	19.31M
5700MHz	Pass	Inf	21.75M	17.181M	21.63M	16.942M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	23.745M	14.873M	22.23M	14.513M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	9.935M	3.16M	9.295M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	38.52M	19.79M	36.36M	19.52M
5300MHz	Pass	Inf	41.64M	19.85M	33.66M	19.46M
5320MHz	Pass	Inf	29.34M	19.31M	25.11M	19.25M
5500MHz	Pass	Inf	25.77M	19.28M	32.73M	19.34M
5580MHz	Pass	Inf	32.37M	19.31M	43.38M	19.91M
5700MHz	Pass	Inf	21.72M	19.1M	21.72M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	25.035M	14.918M	24.45M	14.783M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	10.315M	4.52M	8.716M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	71.64M	39.16M	58.26M	38.501M
5310MHz	Pass	Inf	47.16M	38.141M	49.14M	38.201M
5510MHz	Pass	Inf	45.6M	38.201M	47.04M	38.141M
5550MHz	Pass	Inf	51.3M	38.261M	72.42M	39.28M
5670MHz	Pass	Inf	40.8M	37.961M	40.56M	38.021M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	52.185M	34.563M	46.97M	34.423M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	22.509M	3.84M	21.609M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	84.96M	78.081M	83.04M	78.081M
5530MHz	Pass	Inf	84.48M	77.961M	82.8M	78.081M
5610MHz	Pass	Inf	82.32M	78.081M	123.48M	79.04M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	90M	74.063M	99.975M	74.513M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	30.665M	3.9M	32.764M

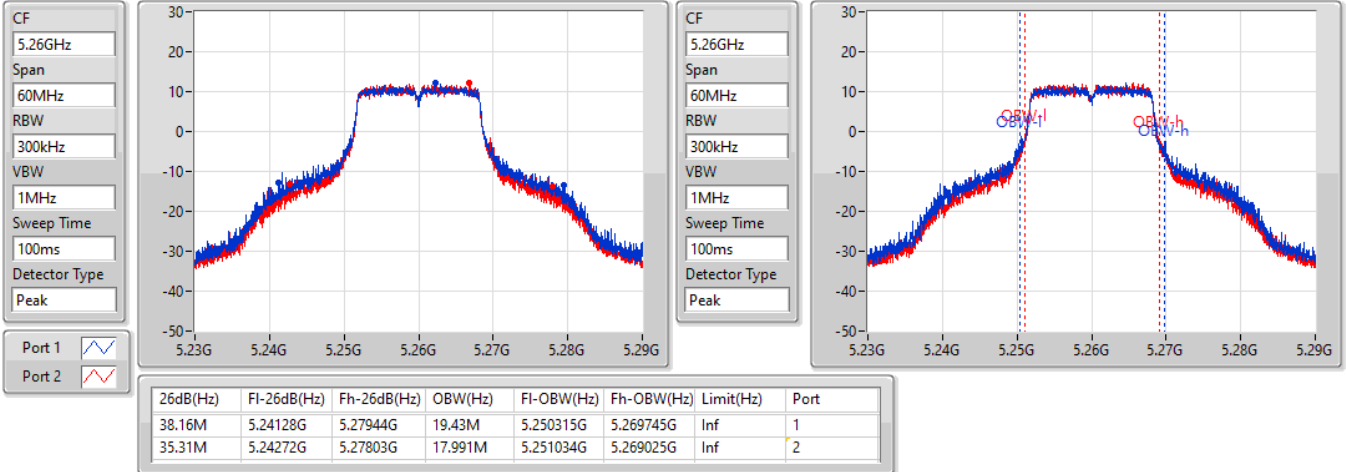
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

30/07/2022

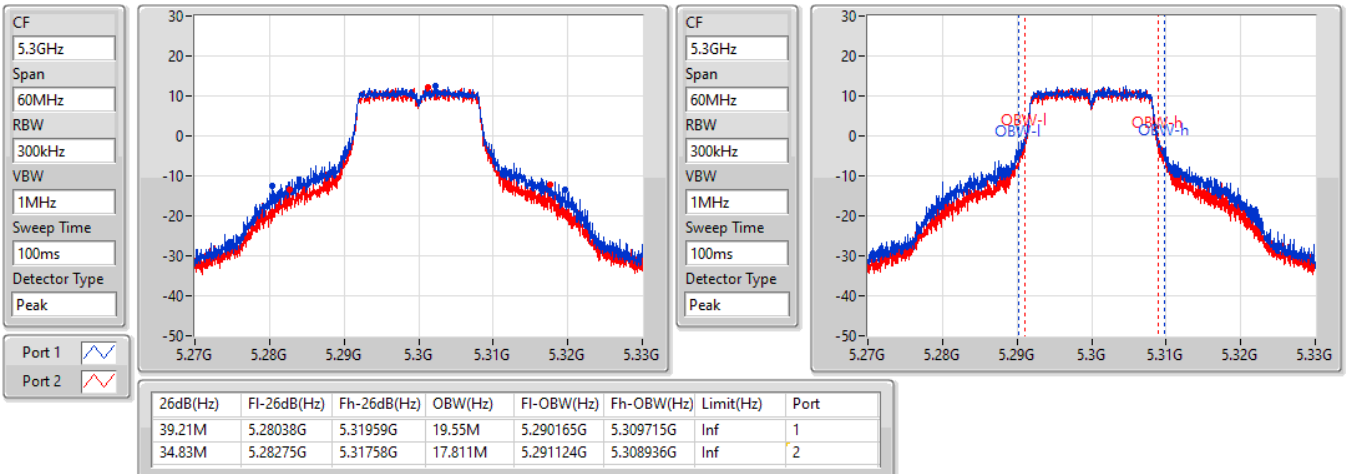


802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

30/07/2022

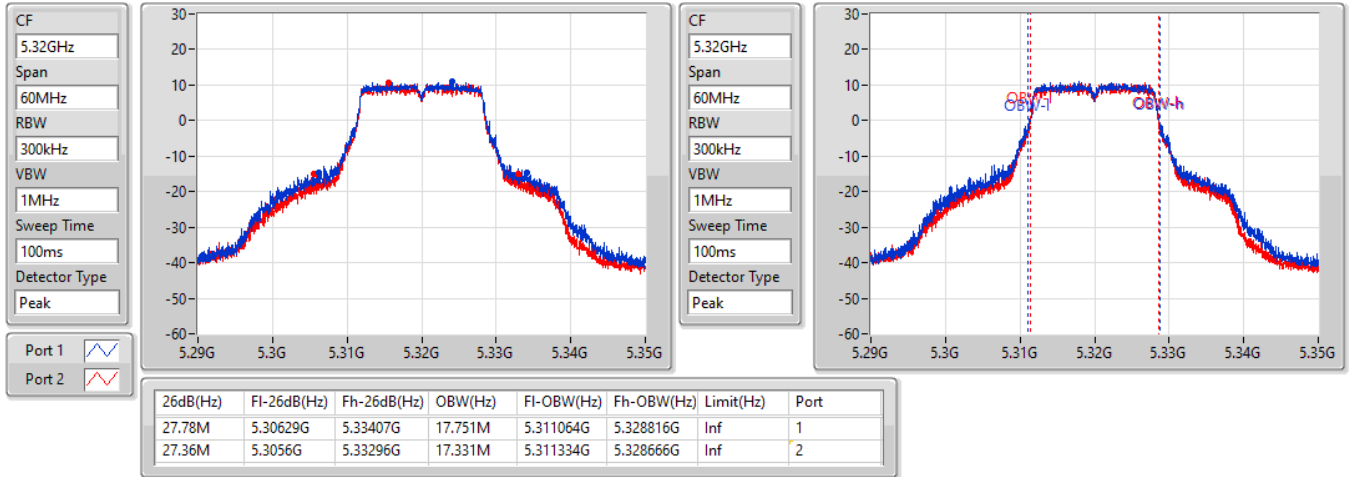


802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

30/07/2022

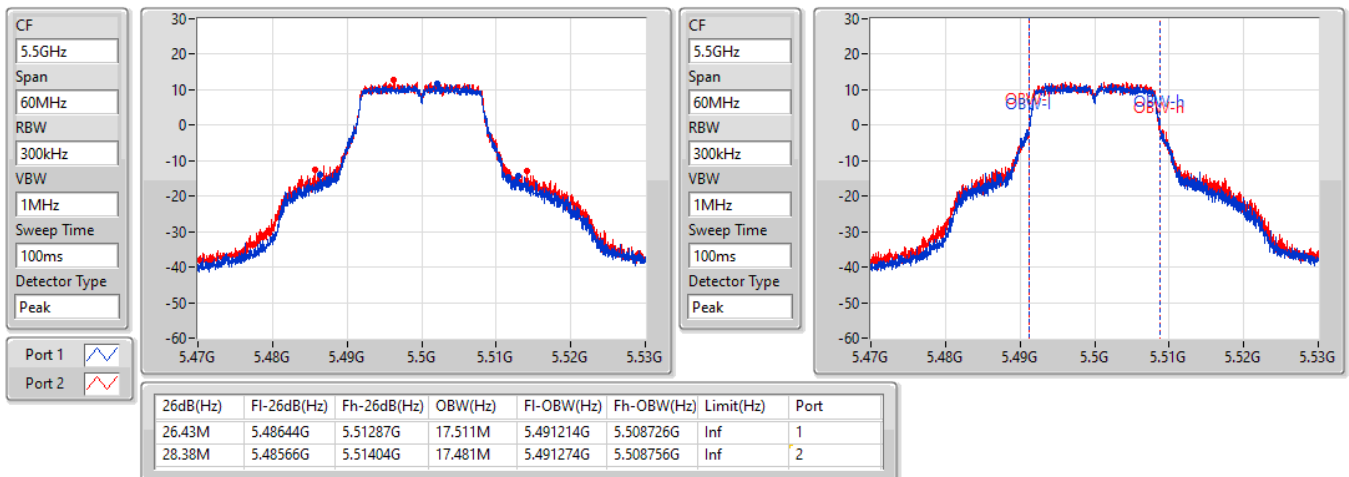


802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

30/07/2022

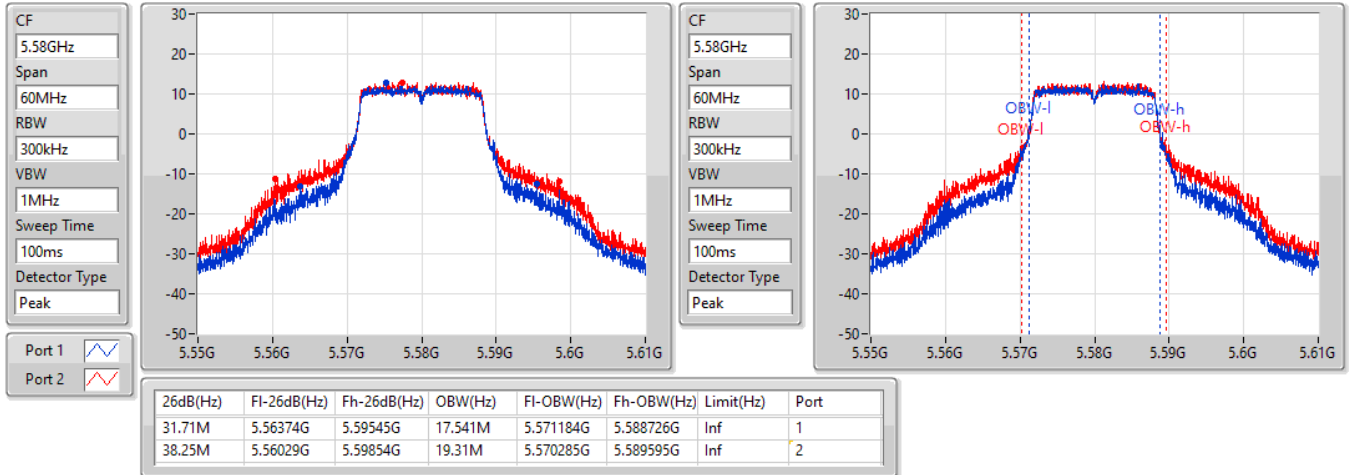


802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

30/07/2022

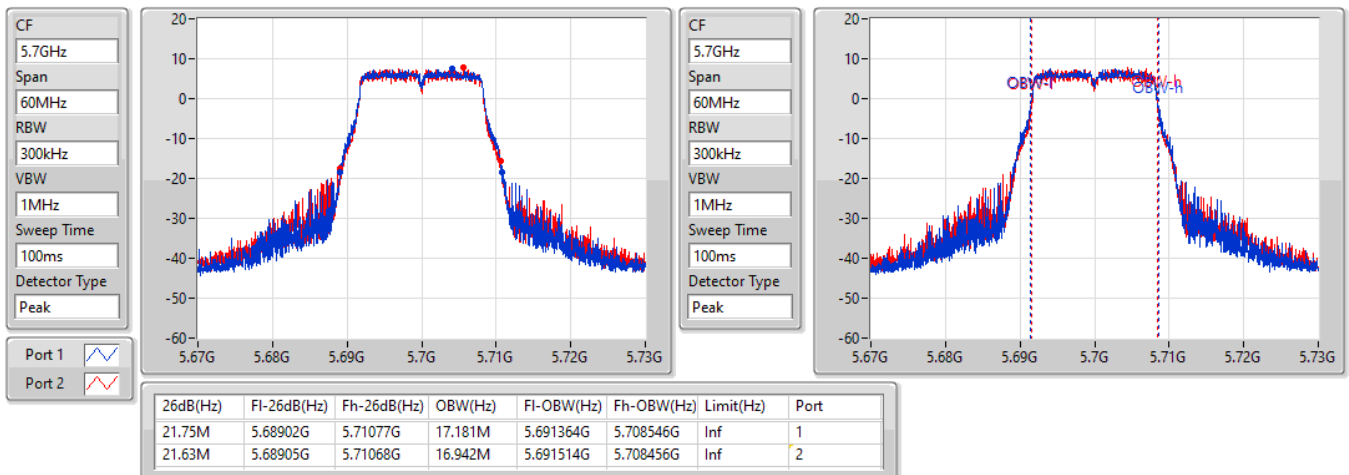


802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

30/07/2022

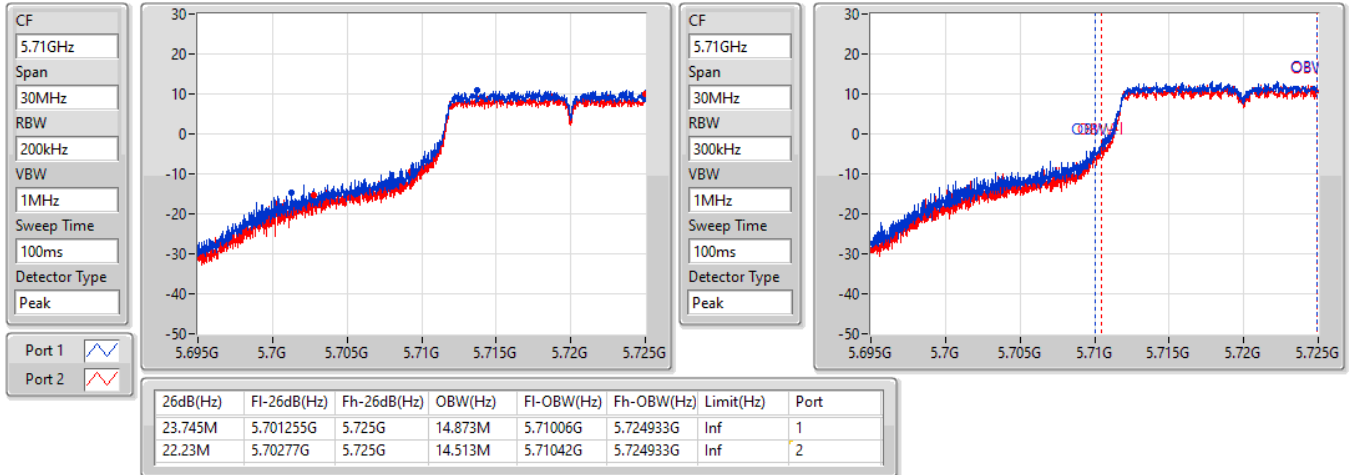


802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/09/2022

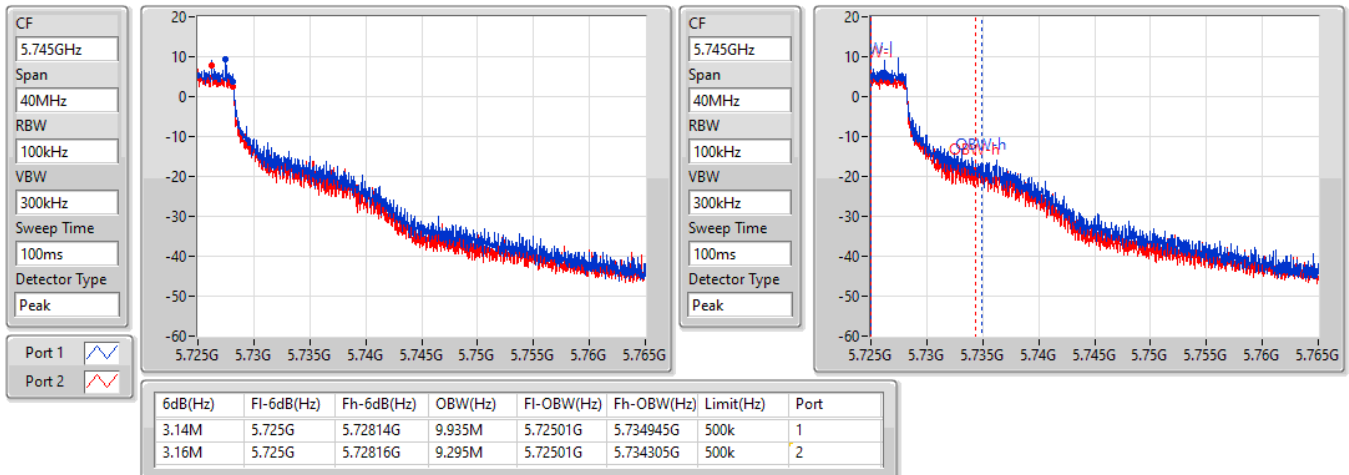


802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/09/2022

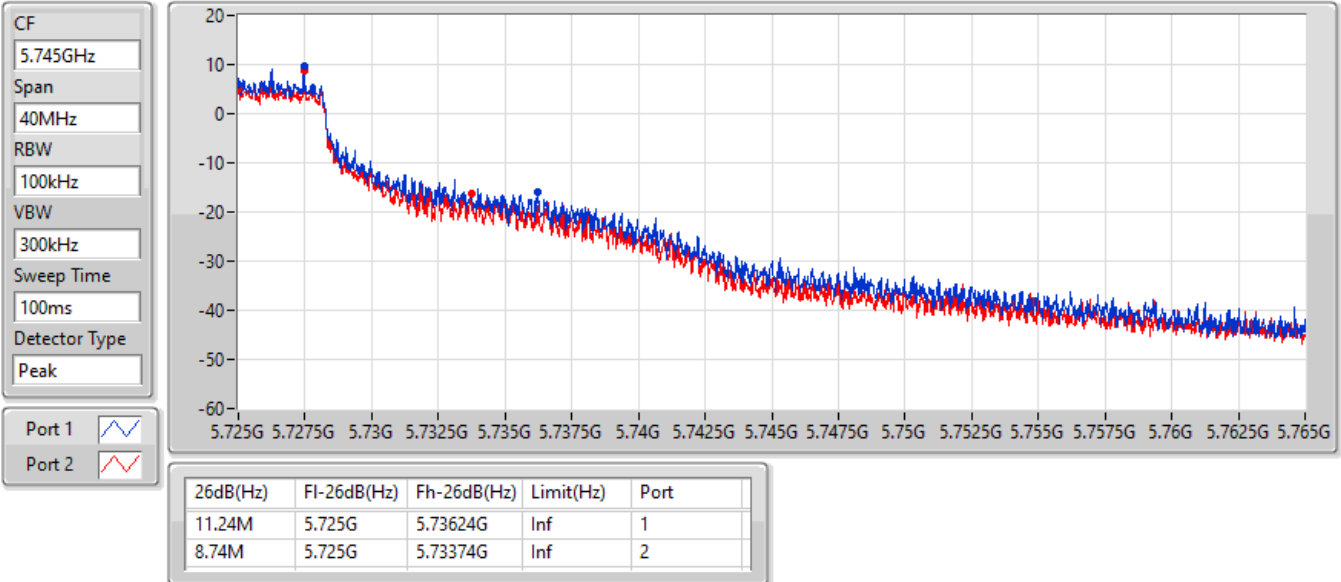


802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/09/2022

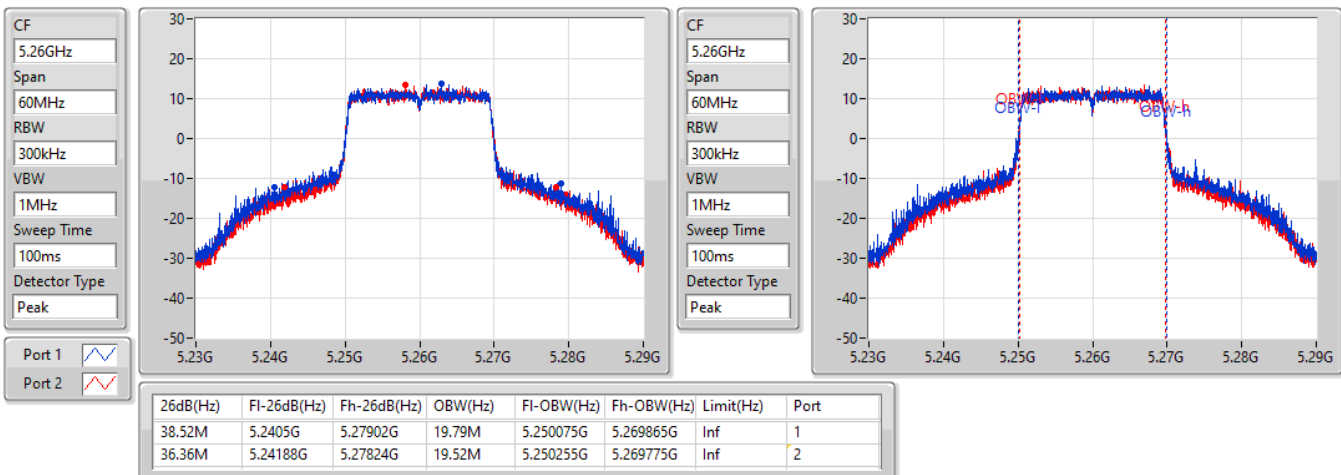


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5260MHz

30/07/2022

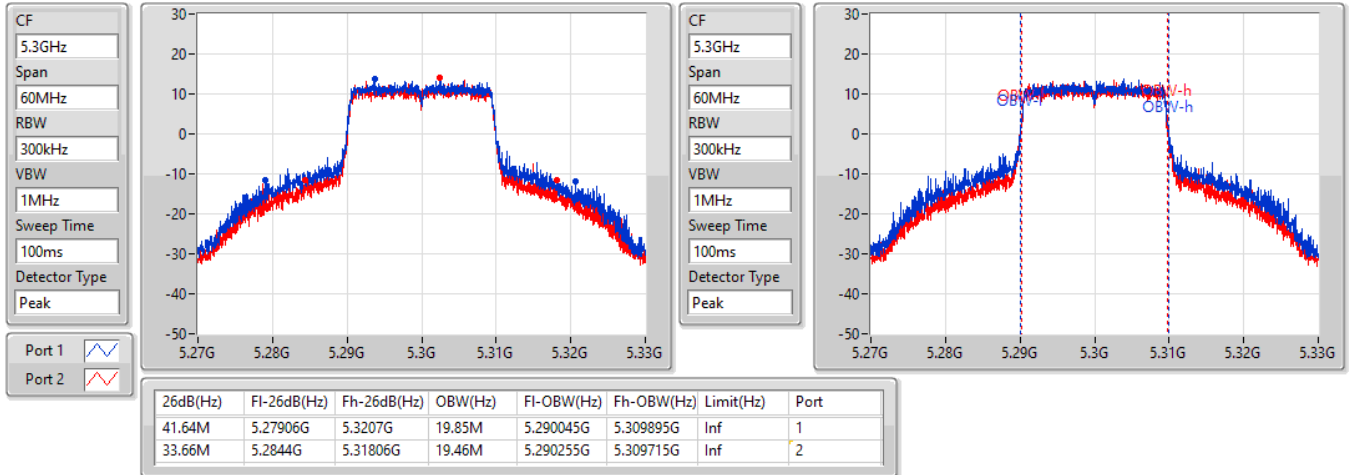


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5300MHz

30/07/2022

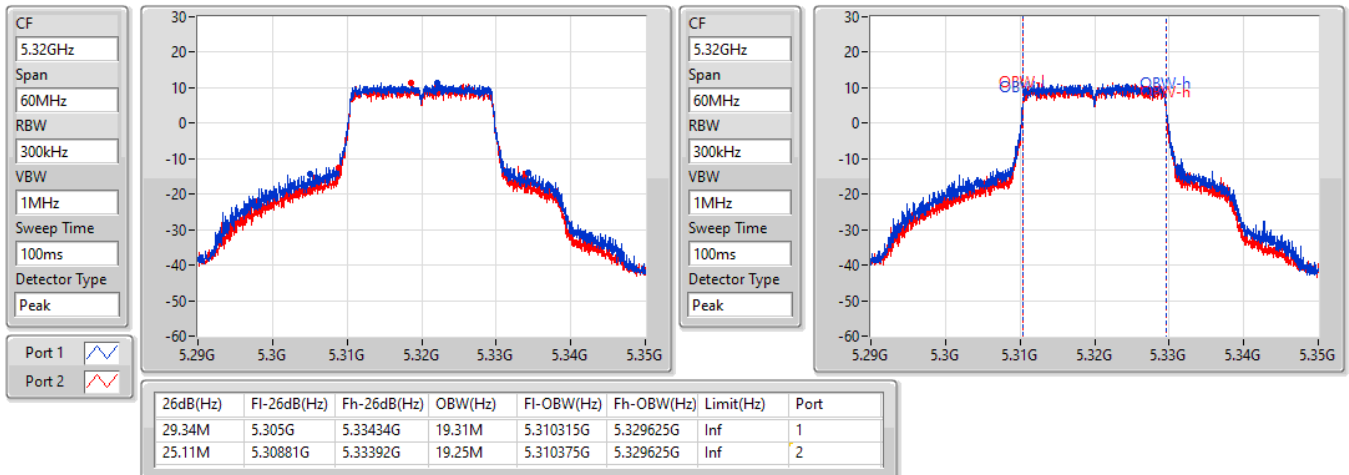


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5320MHz

30/07/2022

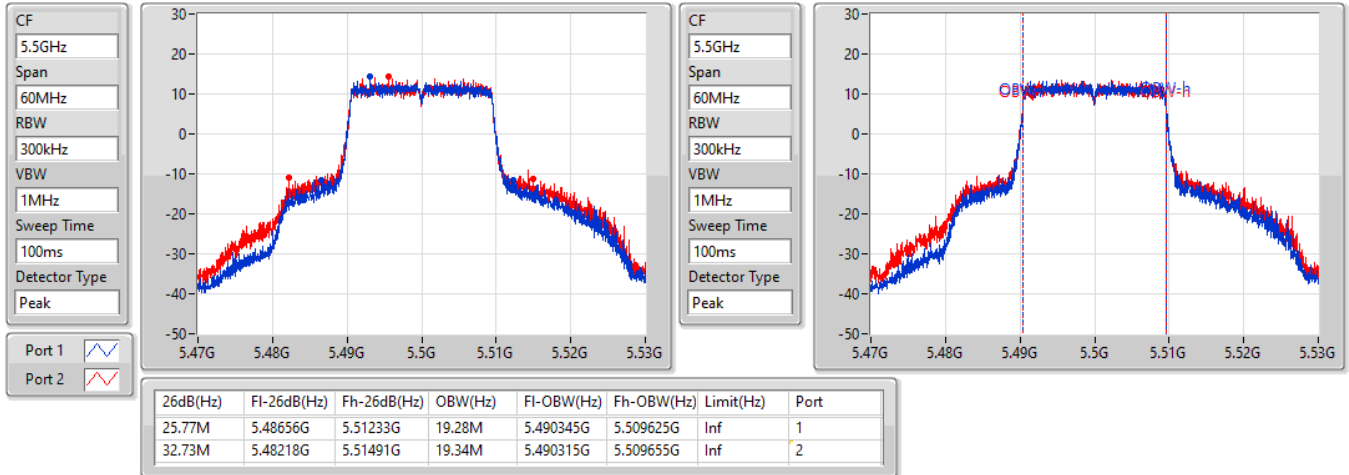


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5500MHz

30/07/2022

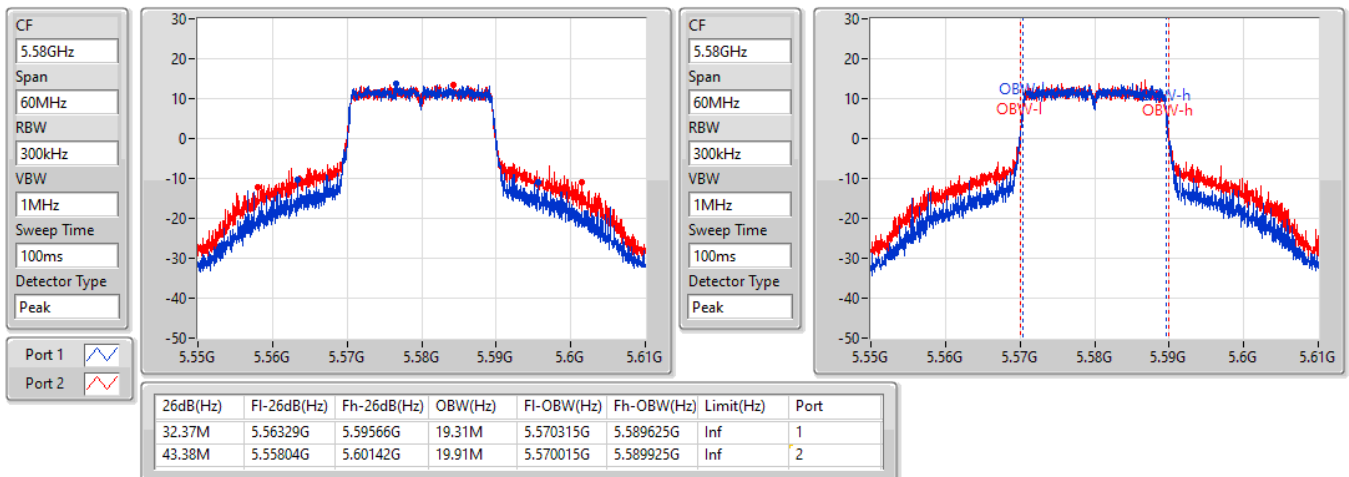


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5580MHz

30/07/2022

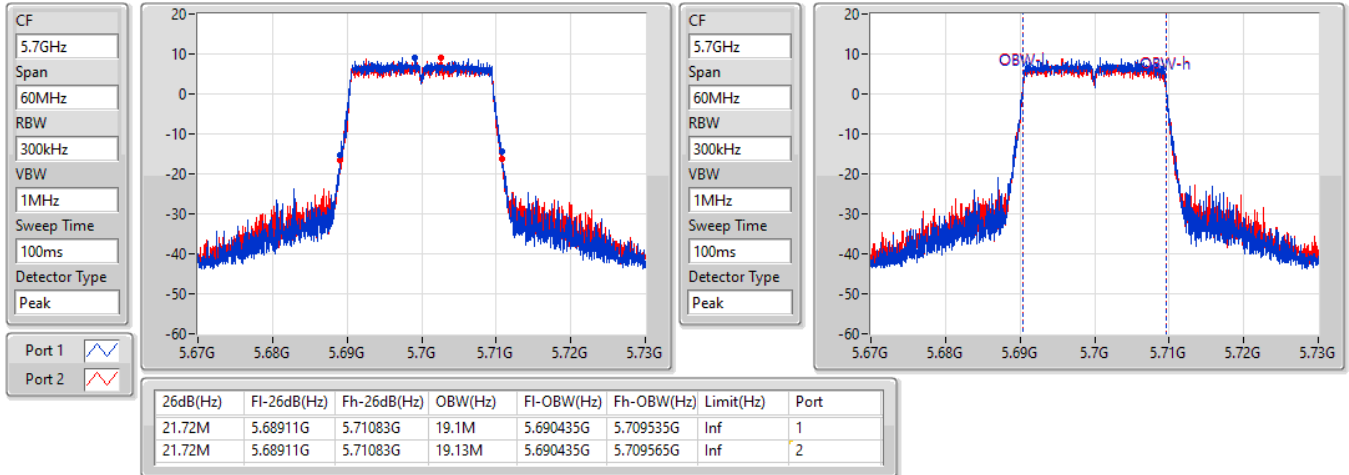


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5700MHz

30/07/2022

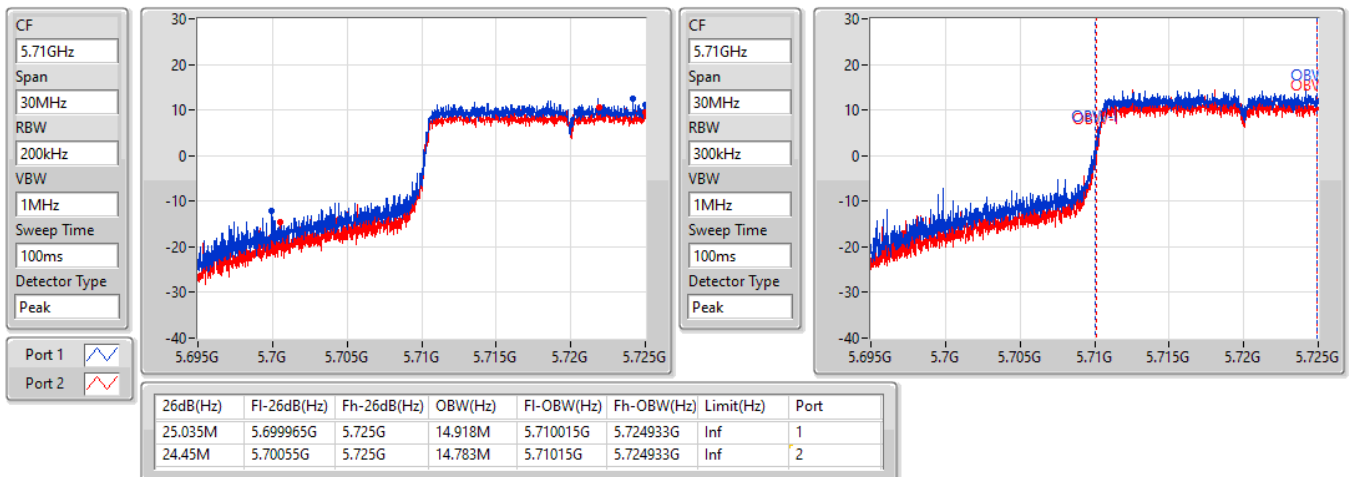


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/09/2022

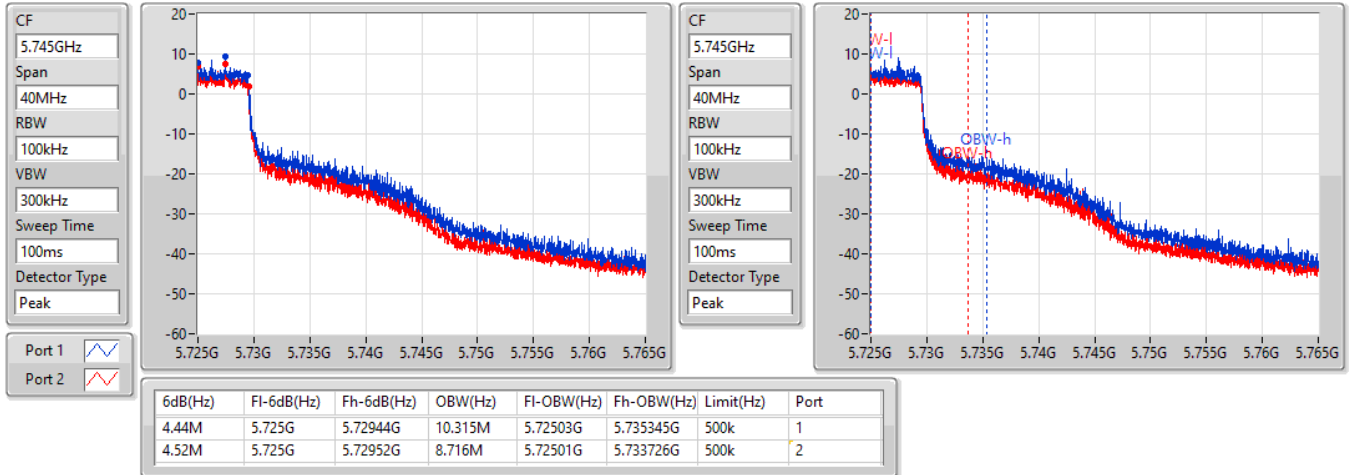


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/09/2022

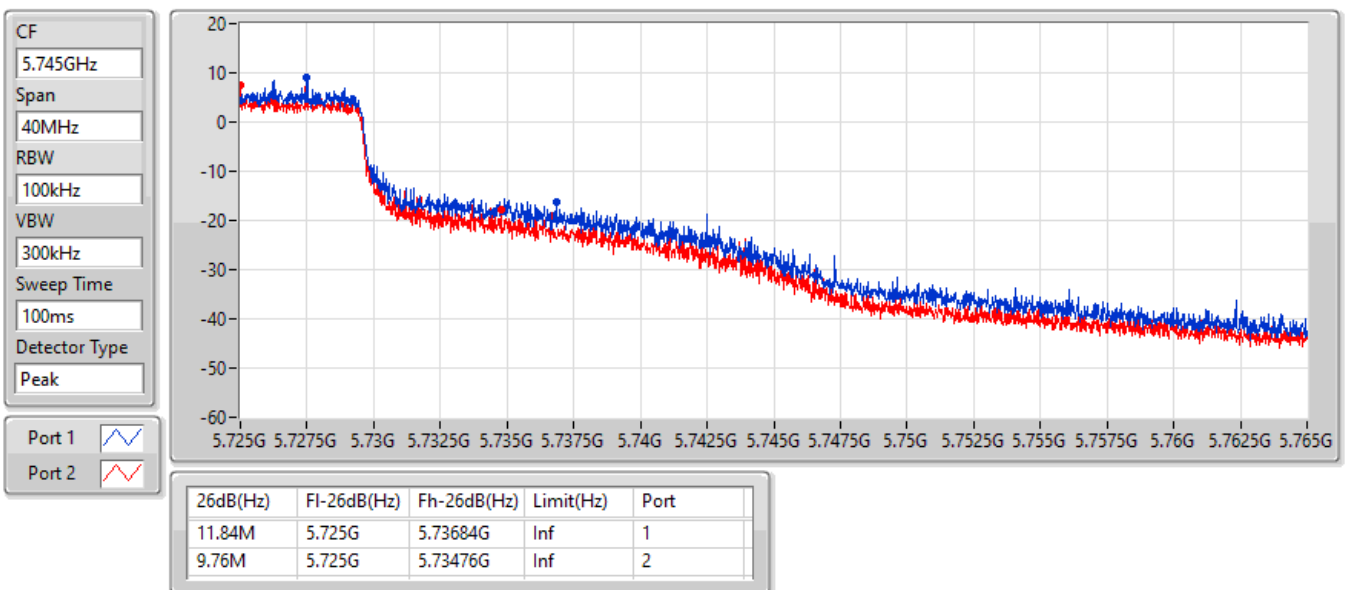


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/09/2022

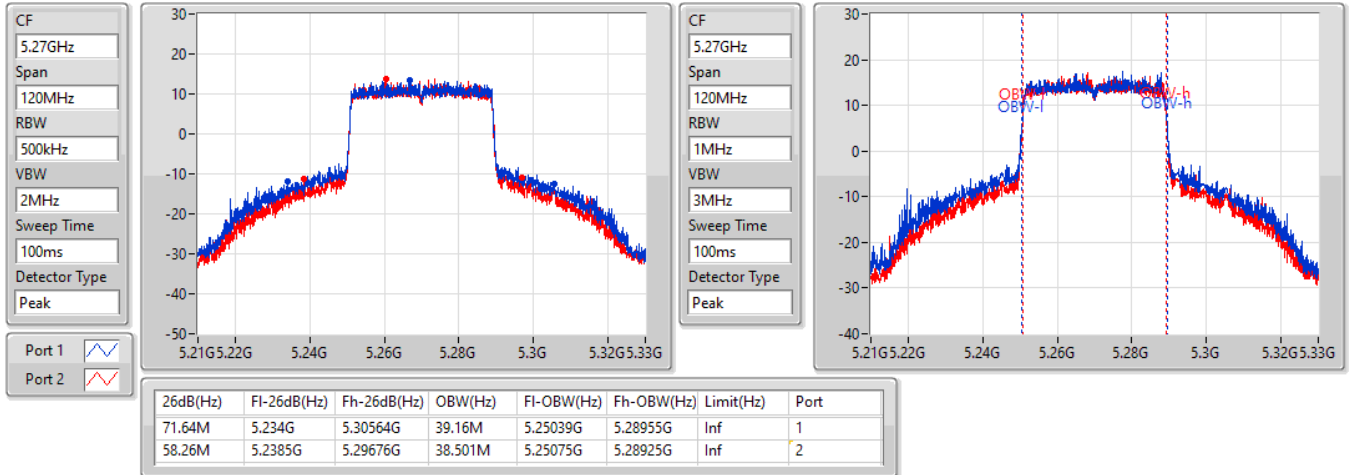


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5270MHz

30/07/2022

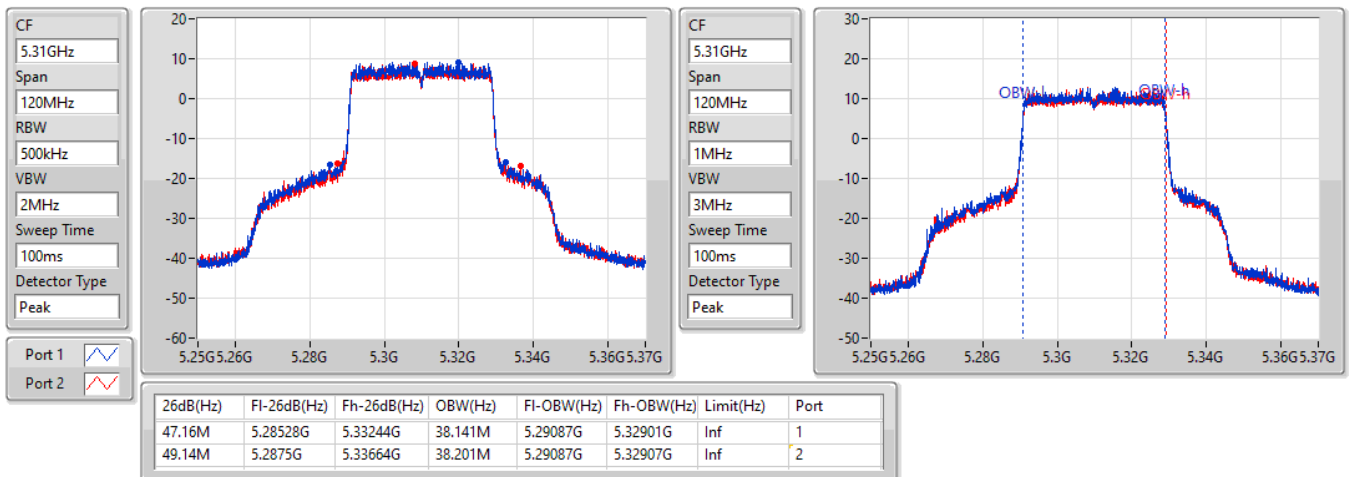


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5310MHz

30/07/2022

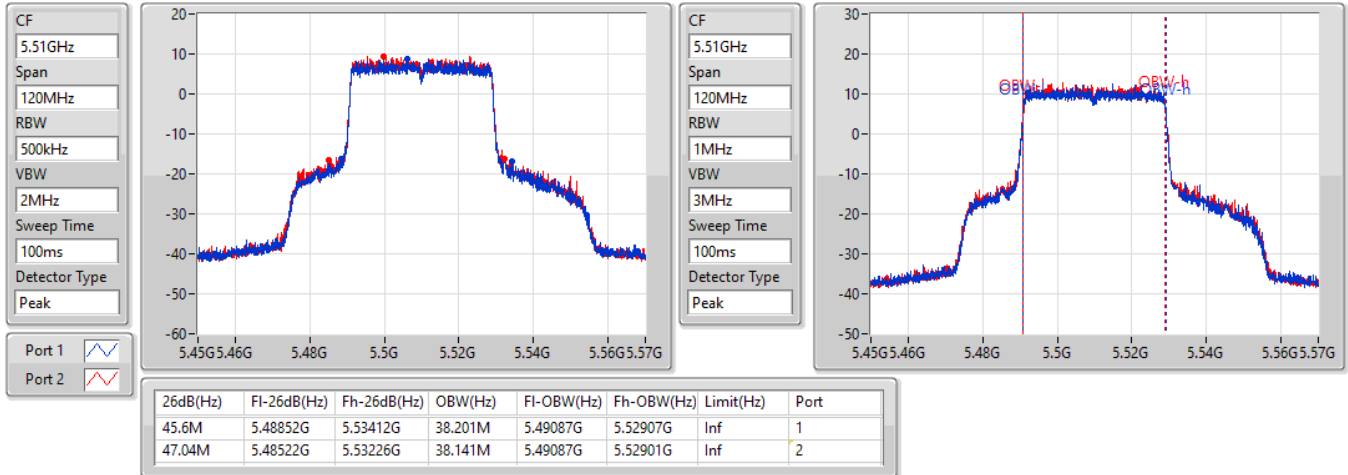


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5510MHz

30/07/2022

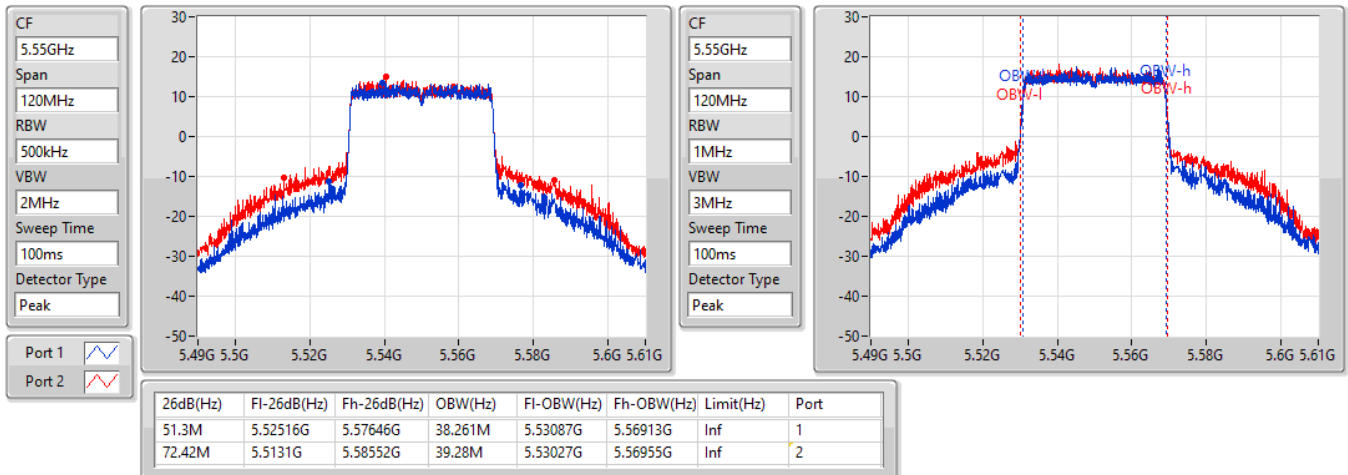


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5550MHz

30/07/2022

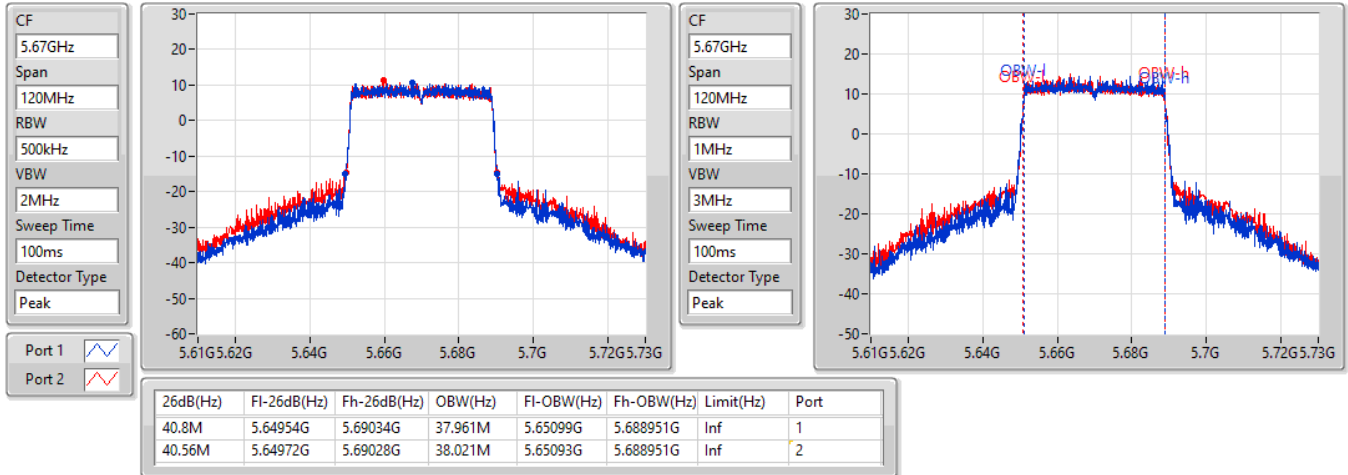


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5670MHz

30/07/2022

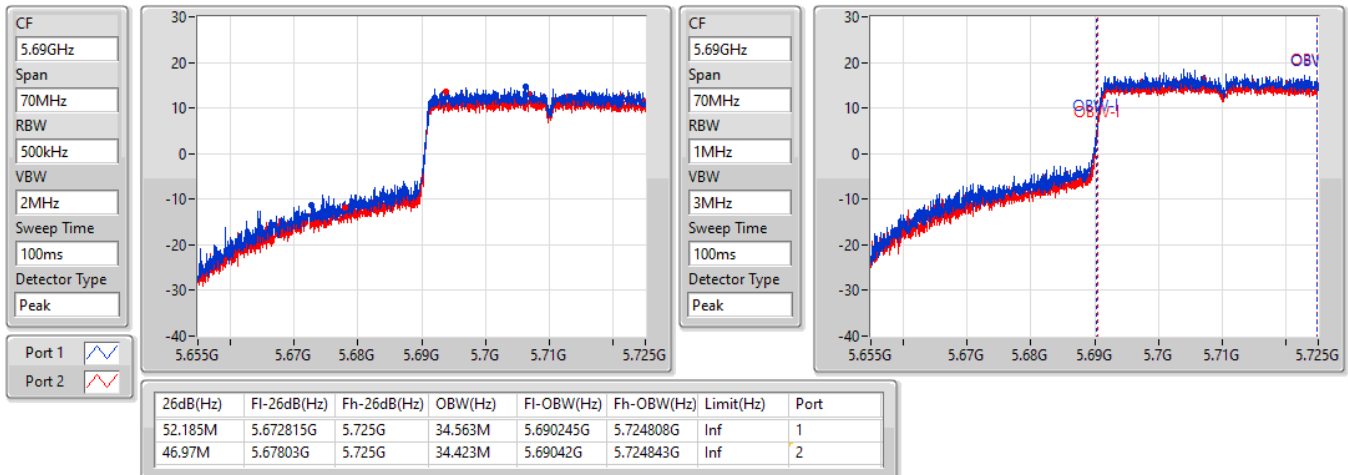


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/09/2022

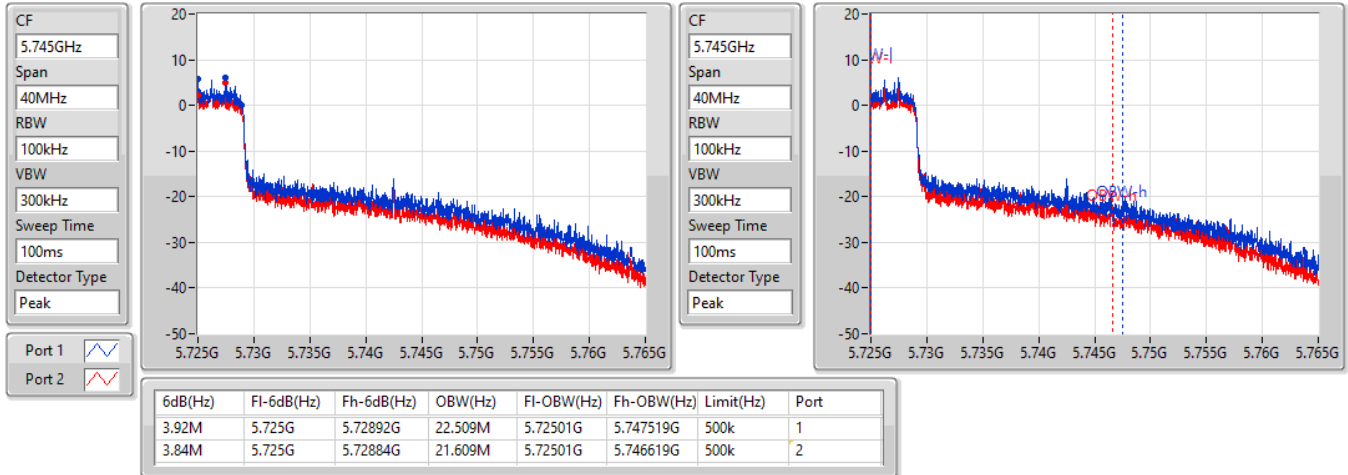


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/09/2022

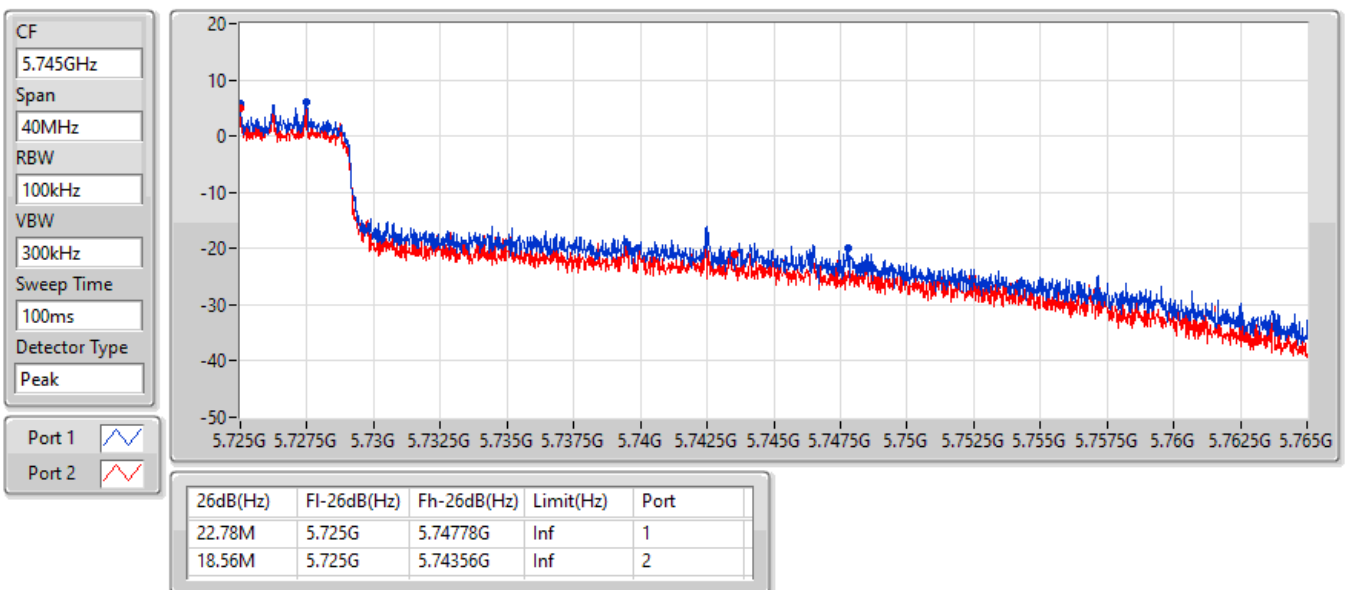


802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/09/2022

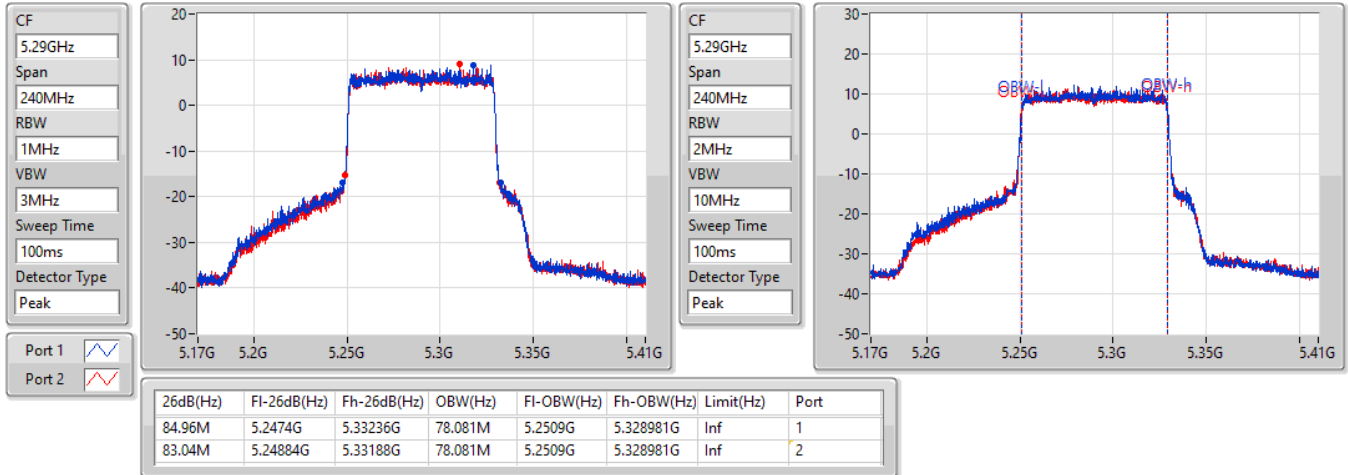


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5290MHz

30/07/2022

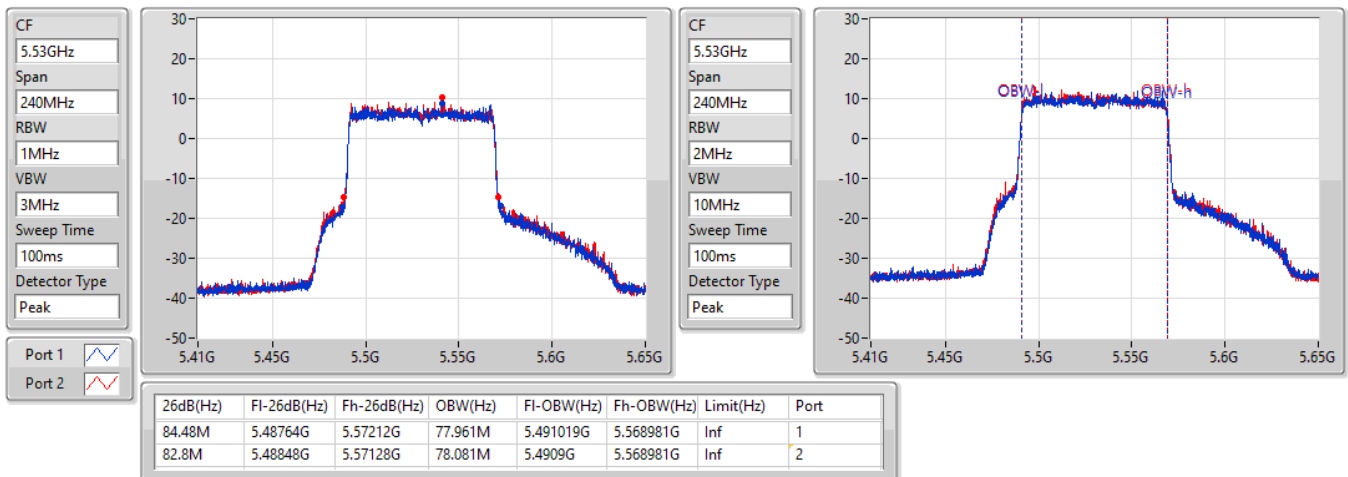


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5530MHz

30/07/2022

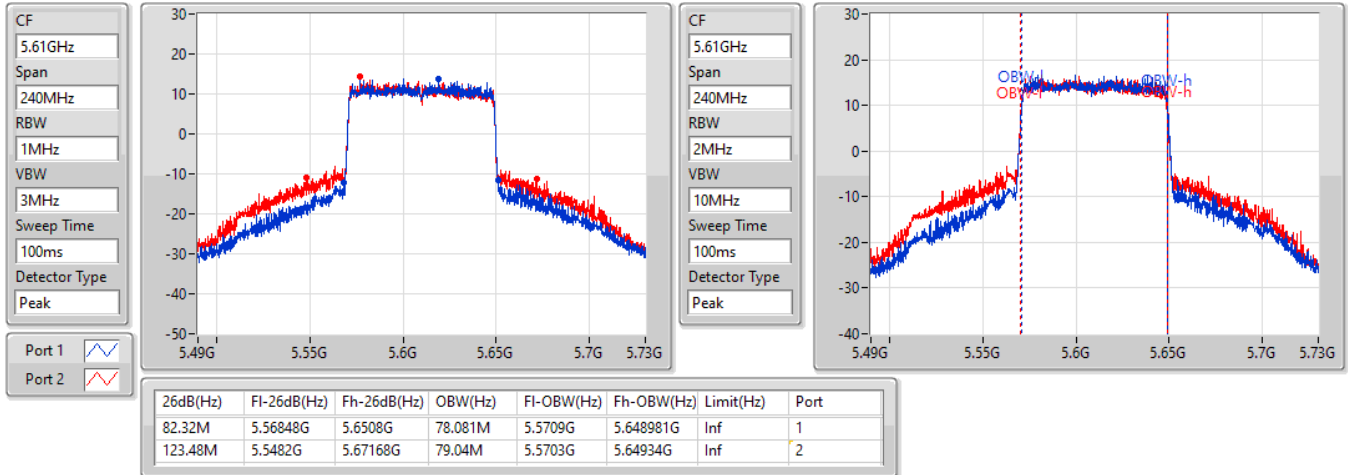


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5610MHz

30/07/2022

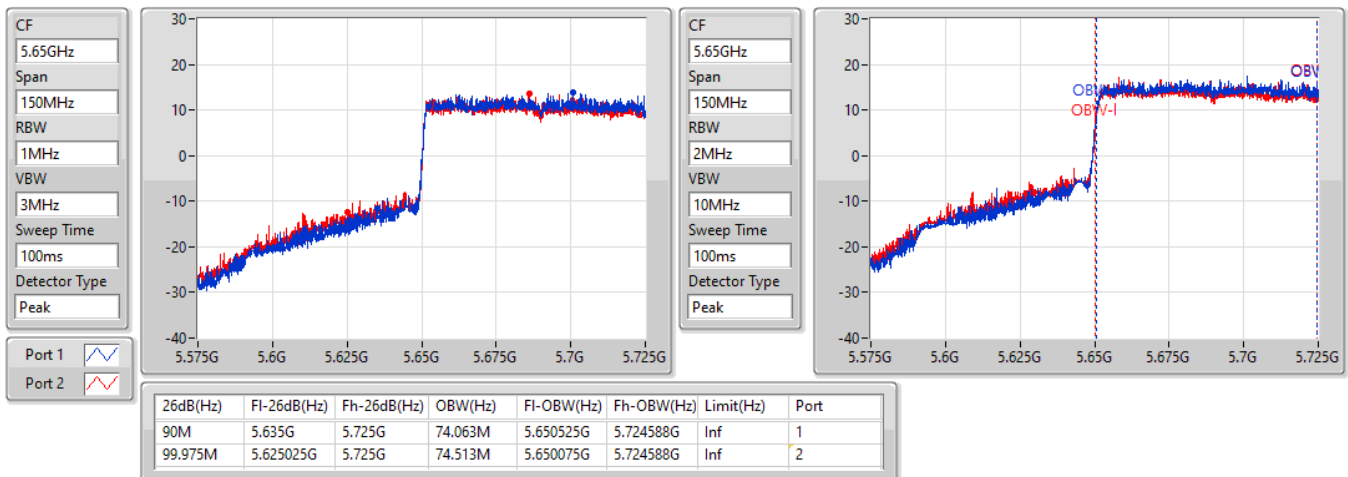


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

30/07/2022

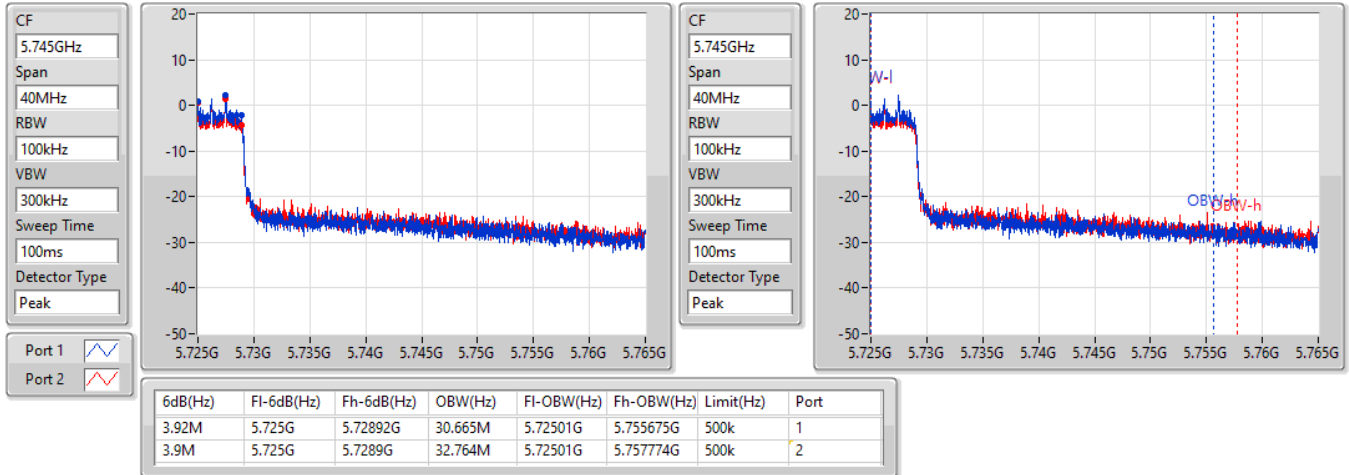


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/07/2022

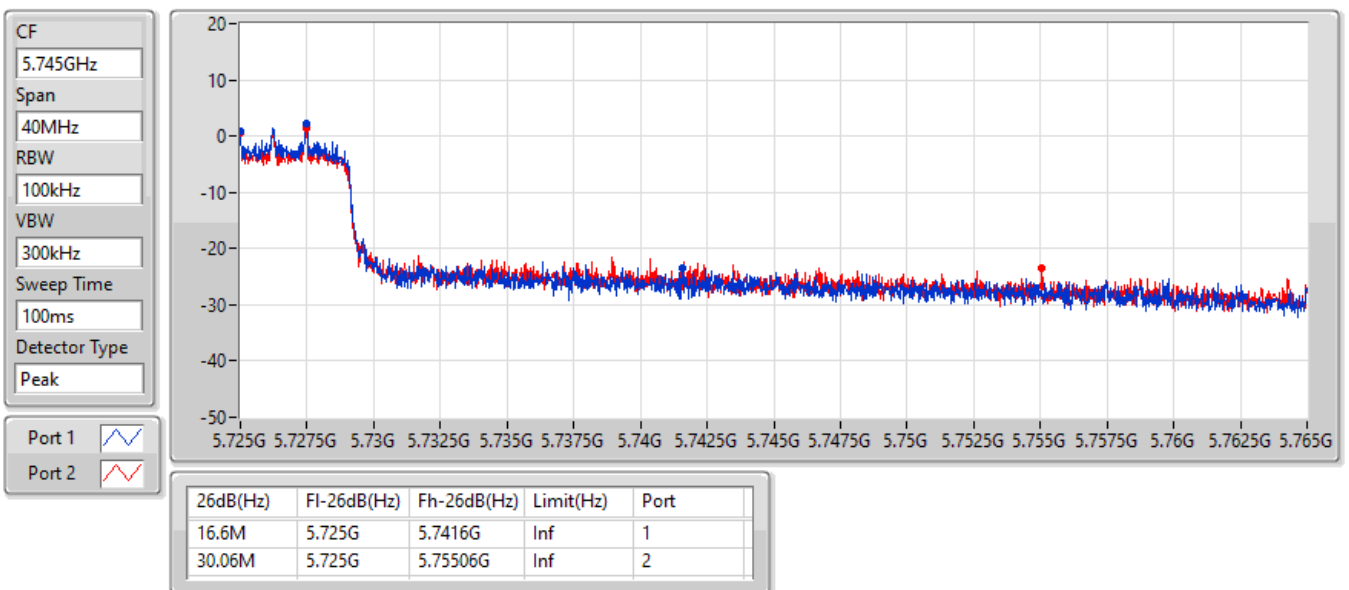


802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/07/2022



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	13.94	0.02477
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	23.54	0.22594
802.11ax HEW20_Nss1,(MCS0)_1TX	23.77	0.23823
802.11ax HEW40_Nss1,(MCS0)_1TX	22.29	0.16943
802.11ax HEW80_Nss1,(MCS0)_1TX	18.54	0.07145
802.11ax HEW160_Nss1,(MCS0)_1TX	14.37	0.02735
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	23.18	0.20797
802.11ax HEW20_Nss1,(MCS0)_1TX	23.20	0.20893
802.11ax HEW40_Nss1,(MCS0)_1TX	23.23	0.21038
802.11ax HEW80_Nss1,(MCS0)_1TX	22.34	0.17140
802.11ax HEW160_Nss1,(MCS0)_1TX	15.02	0.03177
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	14.16	0.02606
802.11ax HEW20_Nss1,(MCS0)_1TX	14.59	0.02877
802.11ax HEW40_Nss1,(MCS0)_1TX	9.22	0.00836
802.11ax HEW80_Nss1,(MCS0)_1TX	7.98	0.00628

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5260MHz	Pass	3.20	23.54	23.54	23.98
5300MHz	Pass	3.20	23.13	23.13	23.98
5320MHz	Pass	3.20	20.64	20.64	23.98
5500MHz	Pass	2.80	22.52	22.52	23.98
5580MHz	Pass	2.80	23.18	23.18	23.98
5700MHz	Pass	2.80	17.52	17.52	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.80	20.38	20.38	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	2.80	14.16	14.16	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5260MHz	Pass	3.20	23.77	23.77	23.98
5300MHz	Pass	3.20	23.17	23.17	23.98
5320MHz	Pass	3.20	20.84	20.84	23.98
5500MHz	Pass	2.80	22.82	22.82	23.98
5580MHz	Pass	2.80	23.20	23.20	23.98
5700MHz	Pass	2.80	16.24	16.24	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.80	19.88	19.88	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	2.80	14.59	14.59	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5270MHz	Pass	3.20	22.29	22.29	23.98
5310MHz	Pass	3.20	18.33	18.33	23.98
5510MHz	Pass	2.80	20.94	20.94	23.98
5550MHz	Pass	2.80	23.23	23.23	23.98
5670MHz	Pass	2.80	19.72	19.72	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	2.80	18.99	18.99	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	2.80	9.22	9.22	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5290MHz	Pass	3.20	18.54	18.54	23.98
5530MHz	Pass	2.80	19.19	19.19	23.98
5610MHz	Pass	2.80	22.34	22.34	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	2.80	21.28	21.28	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	2.80	7.98	7.98	30.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.80	13.94	13.94	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.20	14.37	14.37	23.98
5570MHz	Pass	2.80	15.02	15.02	23.98

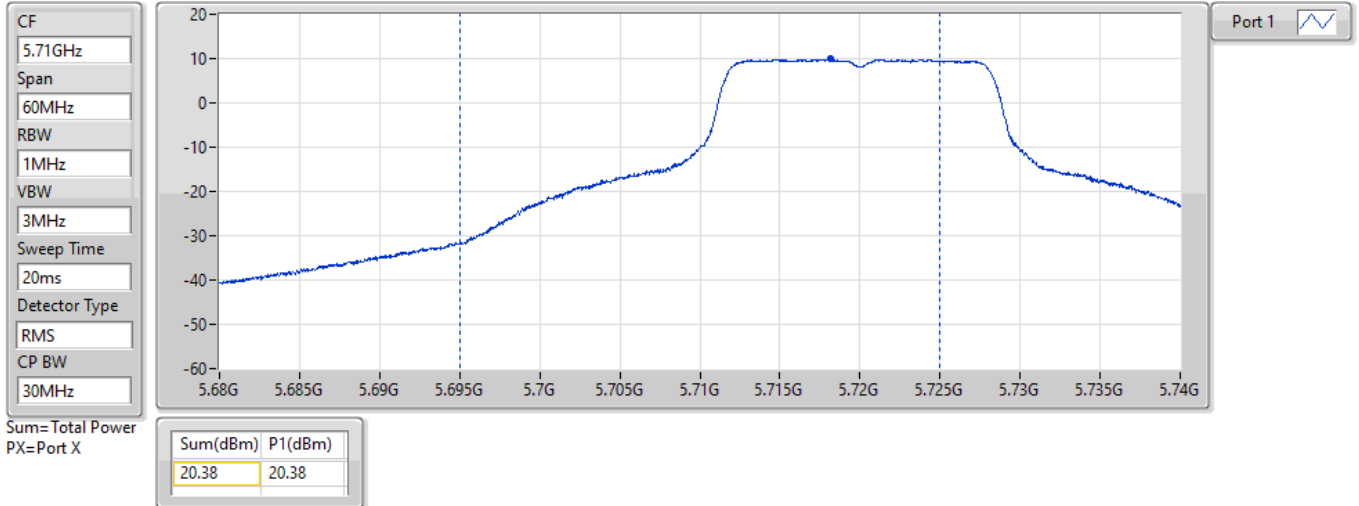
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/09/2022

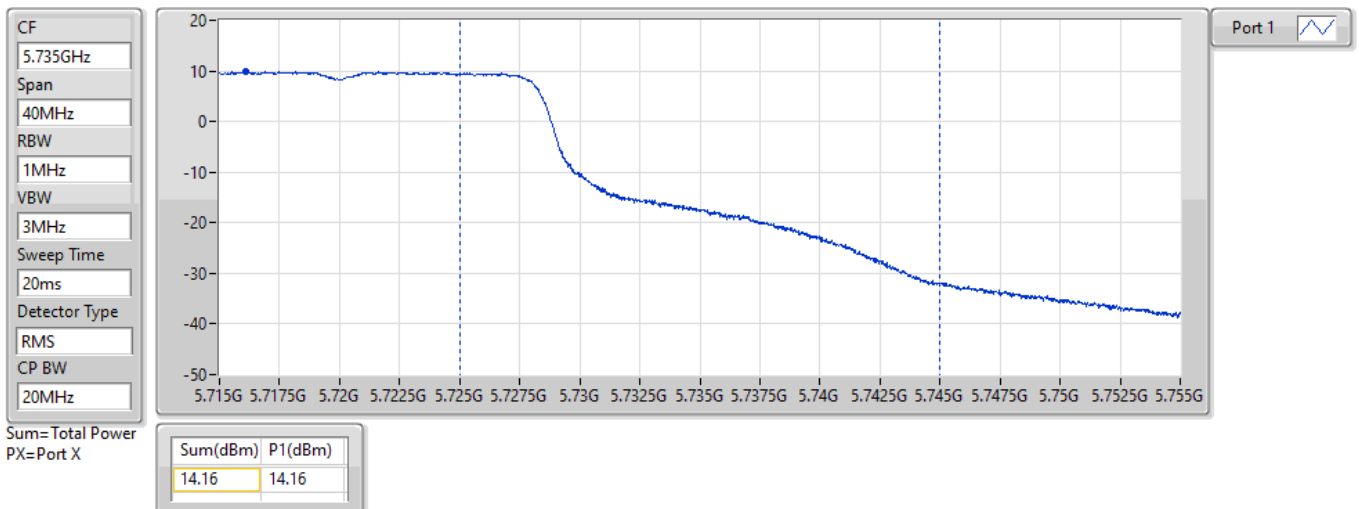


802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/09/2022

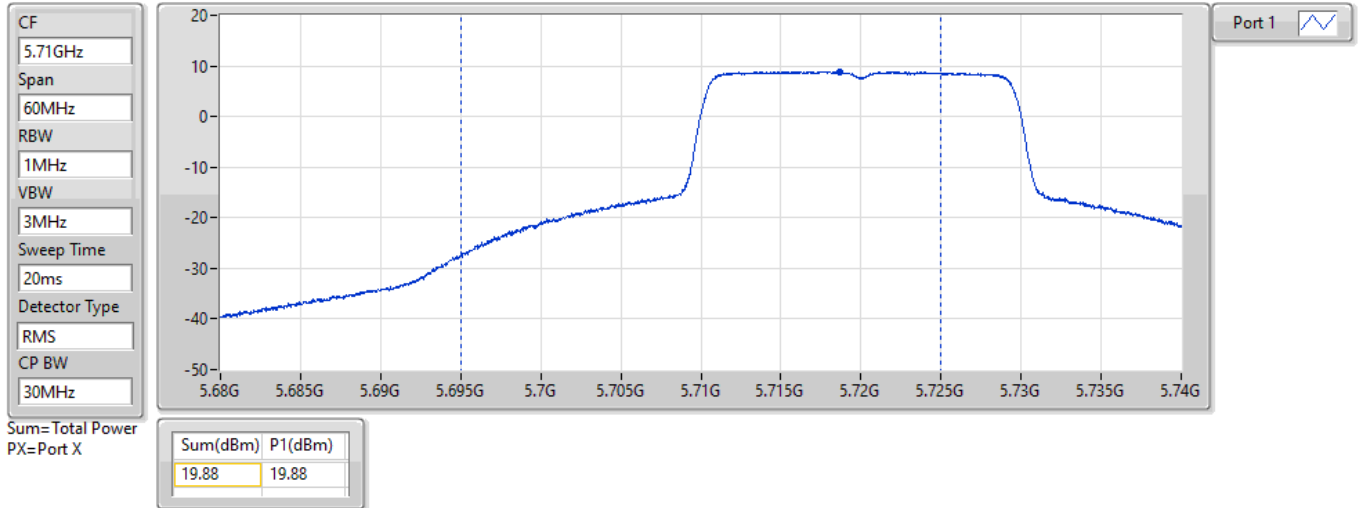


802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/09/2022

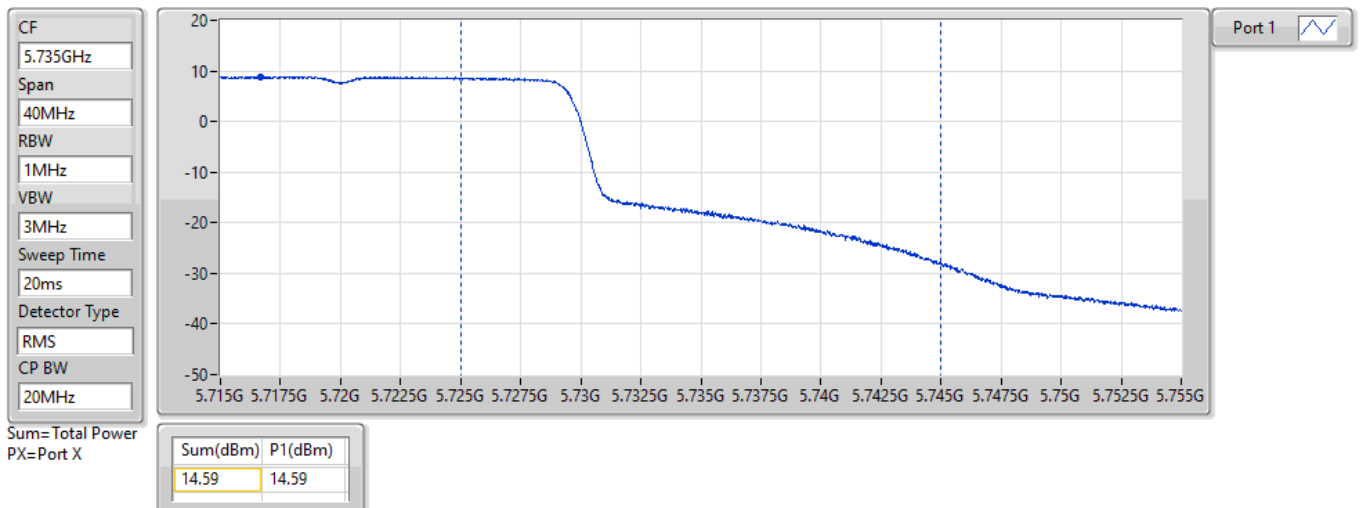


802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/09/2022

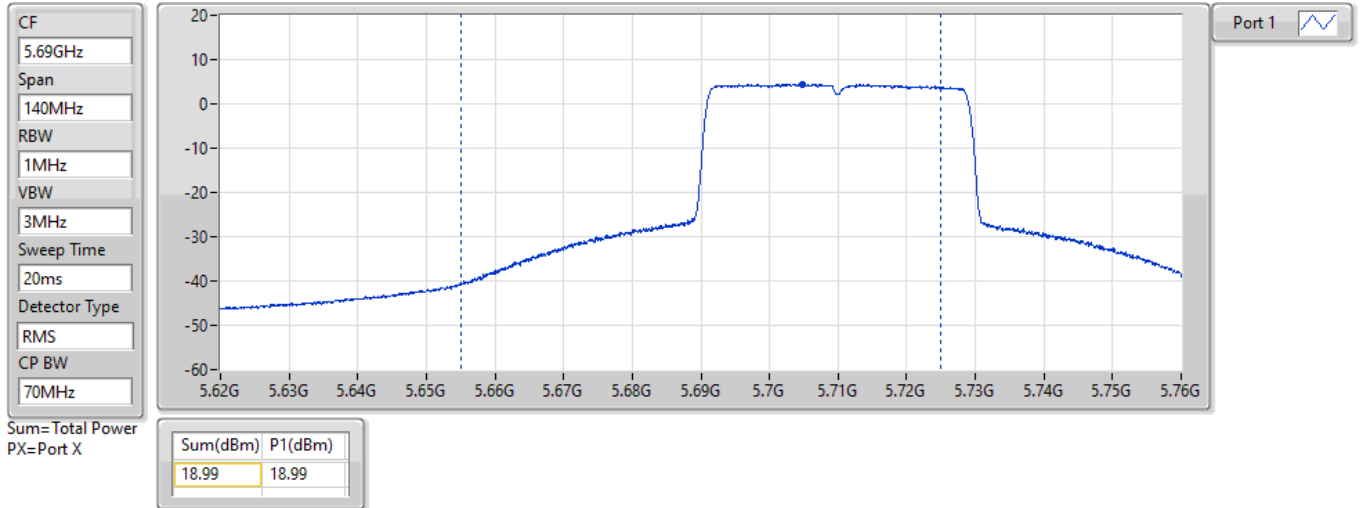


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

06/08/2022

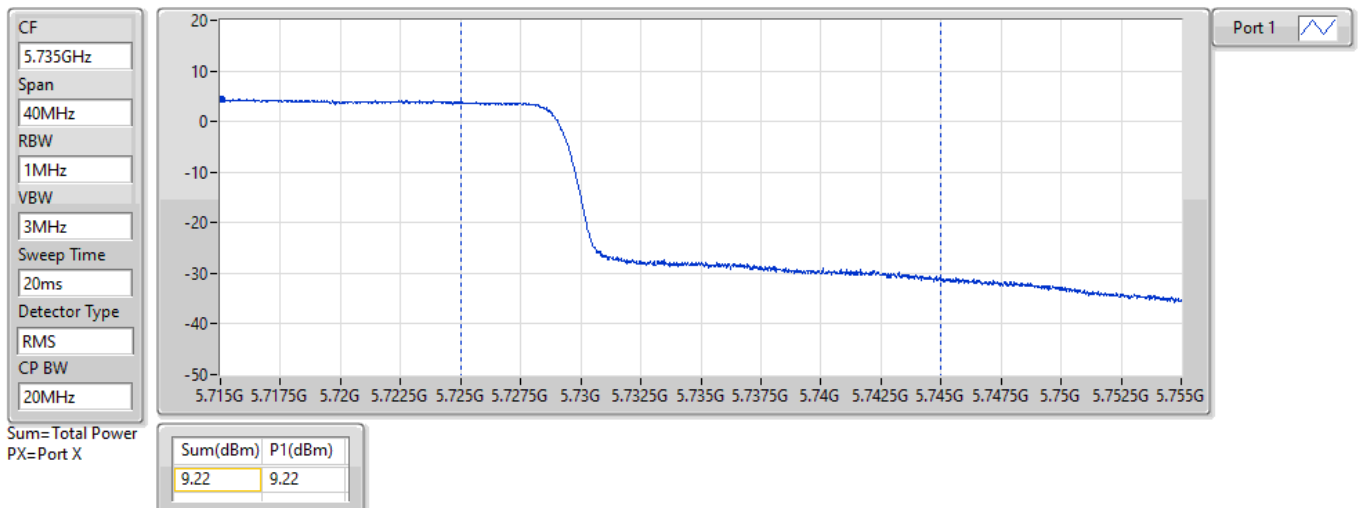


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2022

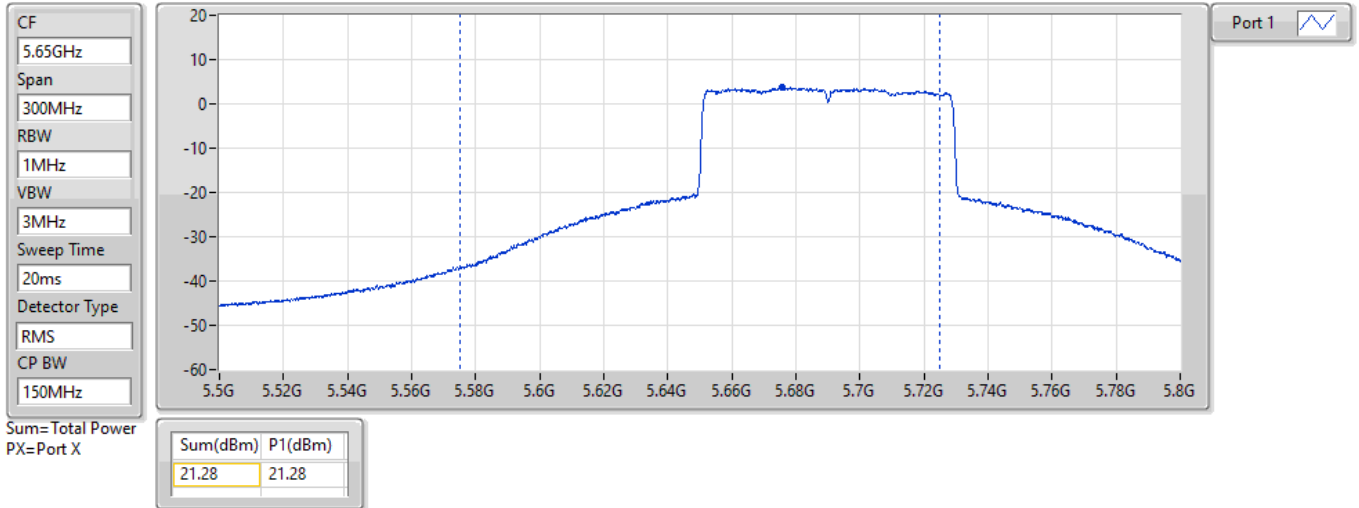


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

06/08/2022

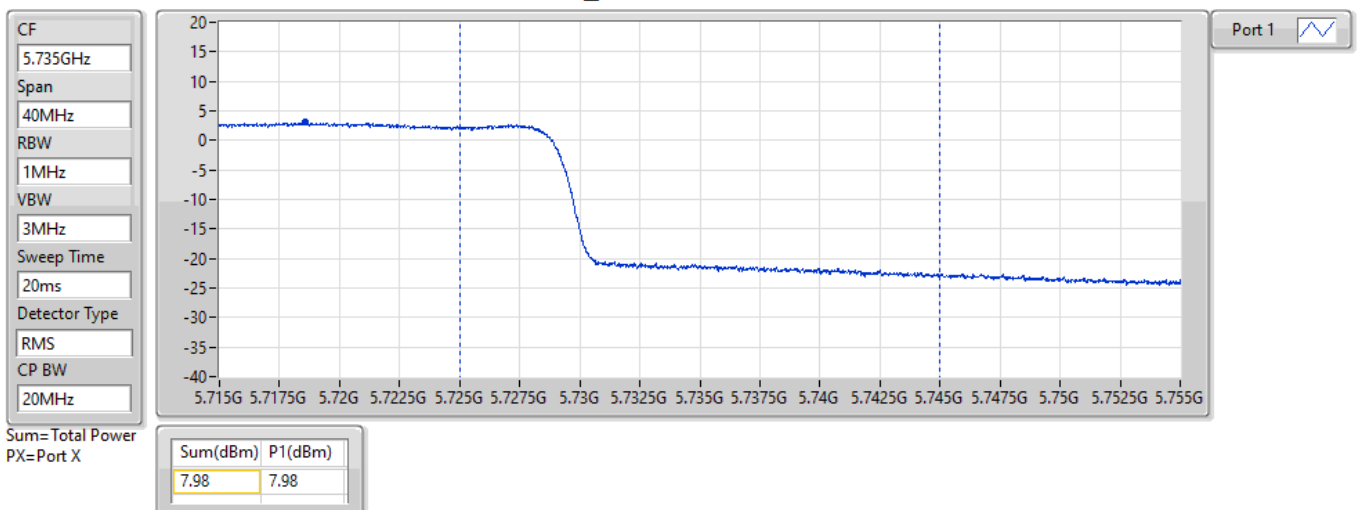


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2022

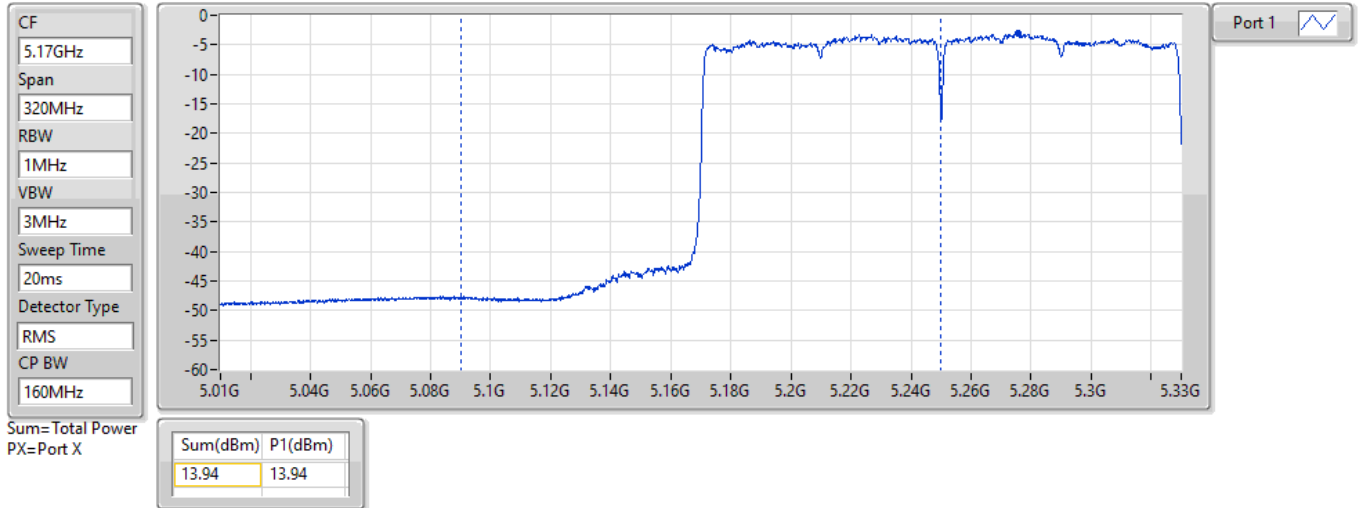


802.11ax HEW160_Nss1,(MCS0)_1TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

06/08/2022

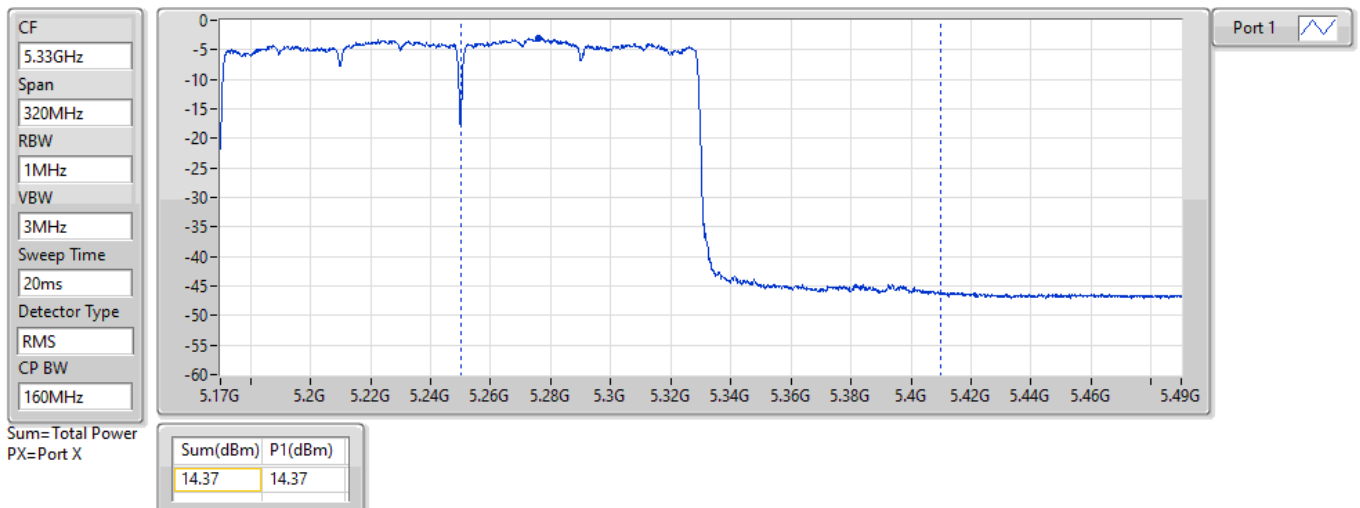


802.11ax HEW160_Nss1,(MCS0)_1TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

06/08/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.75	0.23714
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.93	0.24717
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	16.67	0.04645



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	3.70	20.15	20.57	23.38	23.98
5300MHz	Pass	3.70	20.29	20.85	23.59	23.98
5320MHz	Pass	3.70	20.52	20.94	23.75	23.98
5500MHz	Pass	3.30	20.83	20.82	23.84	23.98
5580MHz	Pass	3.30	20.87	20.97	23.93	23.98
5700MHz	Pass	3.30	16.43	16.27	19.36	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.30	19.79	19.90	22.86	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	3.30	13.68	13.64	16.67	30.00

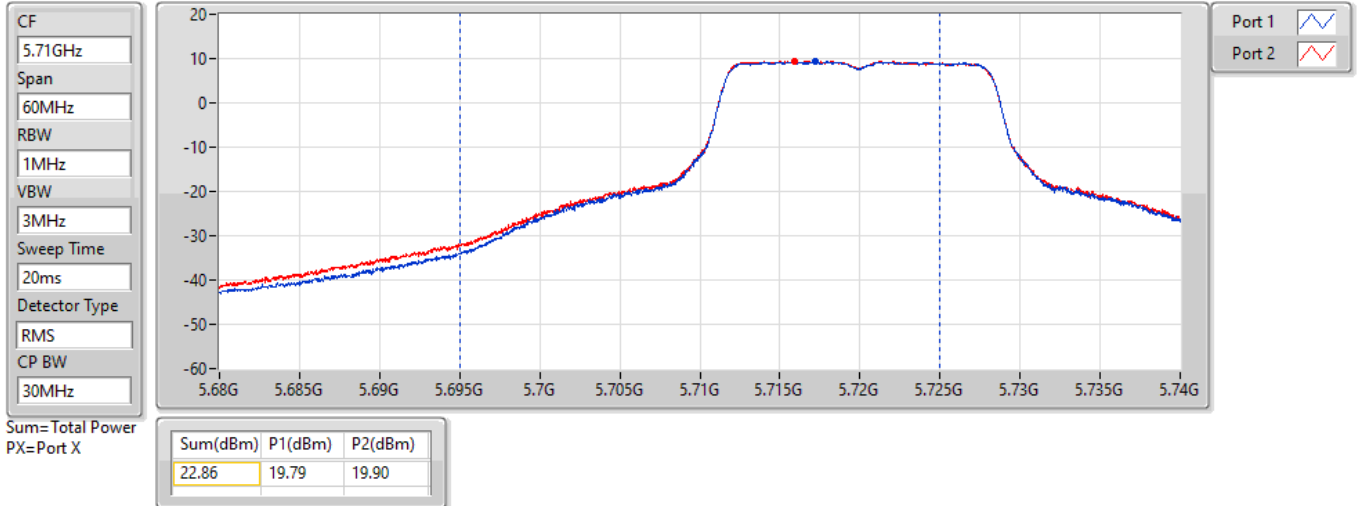
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

06/08/2022

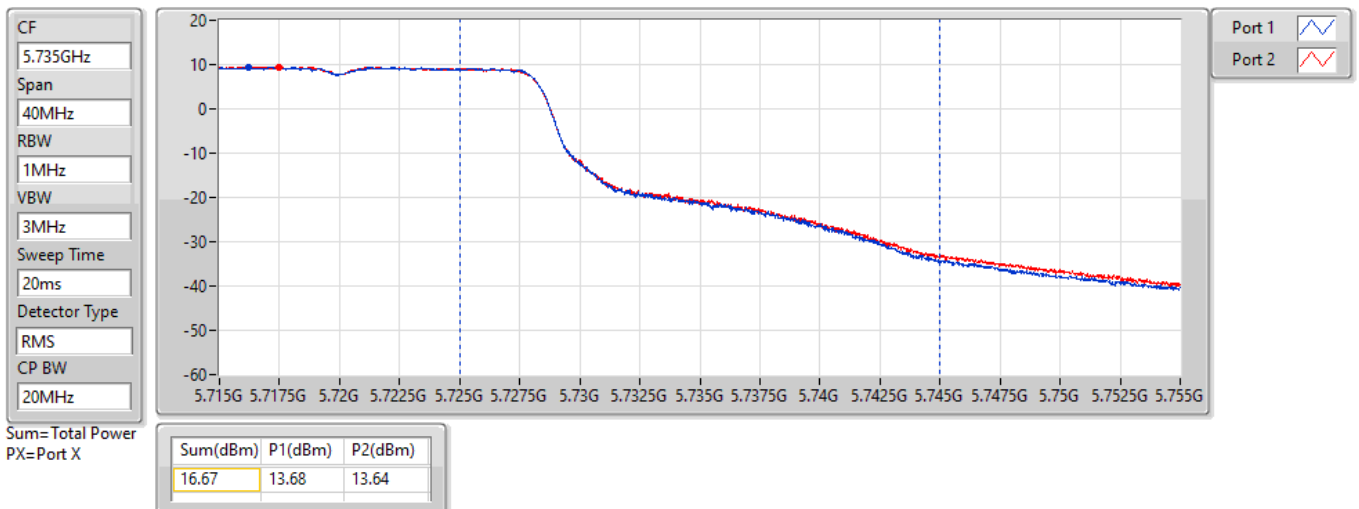


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2022



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	15.50	0.03548
5.25-5.35GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	23.90	0.24547
802.11ax HEW40_Nss2,(MCS0)_2TX	23.82	0.24099
802.11ax HEW80_Nss2,(MCS0)_2TX	21.80	0.15136
802.11ax HEW160_Nss2,(MCS0)_2TX	16.89	0.04887
5.47-5.725GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	23.95	0.24831
802.11ax HEW40_Nss2,(MCS0)_2TX	23.81	0.24044
802.11ax HEW80_Nss2,(MCS0)_2TX	23.93	0.24717
802.11ax HEW160_Nss2,(MCS0)_2TX	15.52	0.03565
5.725-5.85GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	17.07	0.05093
802.11ax HEW40_Nss2,(MCS0)_2TX	12.84	0.01923
802.11ax HEW80_Nss2,(MCS0)_2TX	9.81	0.00957

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	3.46	20.65	21.06	23.87	23.98
5300MHz	Pass	3.46	20.75	21.02	23.90	23.98
5320MHz	Pass	3.46	20.47	21.09	23.80	23.98
5500MHz	Pass	3.06	20.85	20.93	23.90	23.98
5580MHz	Pass	3.06	20.91	20.96	23.95	23.98
5700MHz	Pass	3.06	16.94	16.86	19.91	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.06	19.26	19.57	22.43	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	3.06	14.01	14.10	17.07	30.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	3.46	20.41	21.17	23.82	23.98
5310MHz	Pass	3.46	19.55	20.13	22.86	23.98
5510MHz	Pass	3.06	19.37	19.34	22.37	23.98
5550MHz	Pass	3.06	20.72	20.88	23.81	23.98
5670MHz	Pass	3.06	18.96	19.28	22.13	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.06	19.52	20.18	22.87	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.06	9.76	9.89	12.84	30.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	3.46	18.86	18.72	21.80	23.98
5530MHz	Pass	3.06	18.67	18.87	21.78	23.98
5610MHz	Pass	3.06	20.87	20.70	23.80	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.06	21.08	20.76	23.93	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.06	7.24	6.31	9.81	30.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.06	12.40	12.57	15.50	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.46	13.47	14.26	16.89	23.98
5570MHz	Pass	3.06	11.88	13.06	15.52	23.98

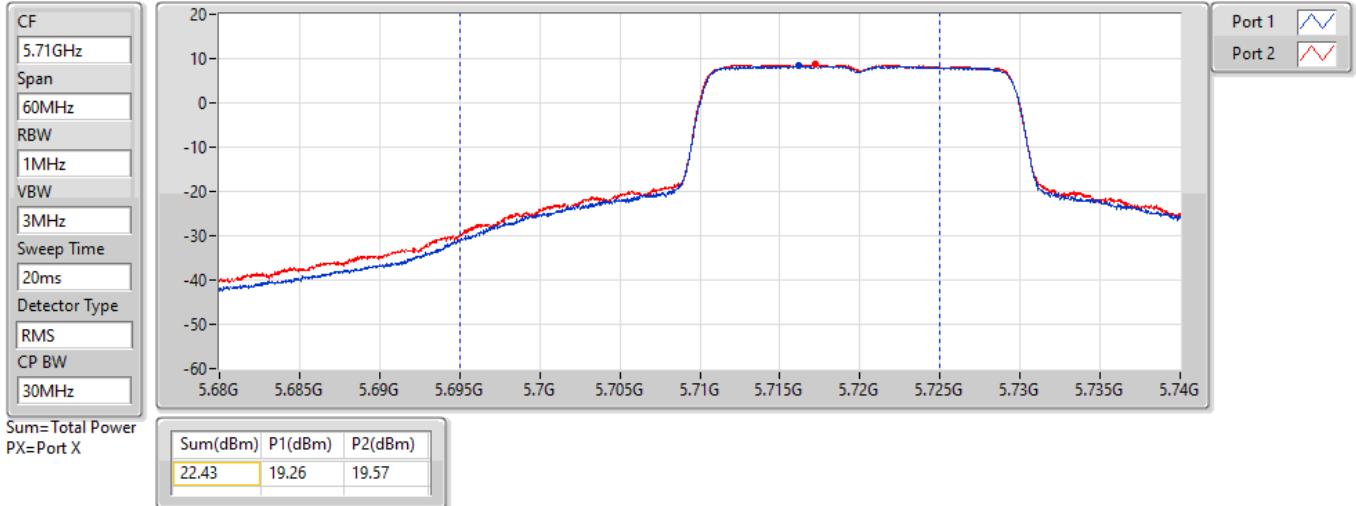
DG = Directional Gain; Port X = Port X output power

802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

04/08/2022

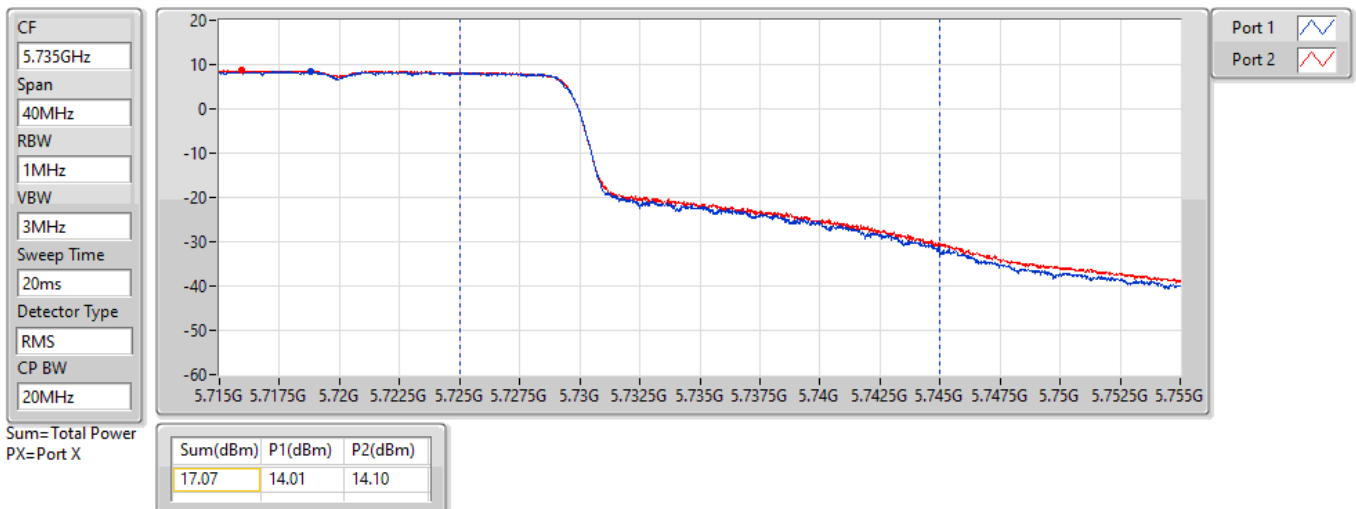


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

04/08/2022

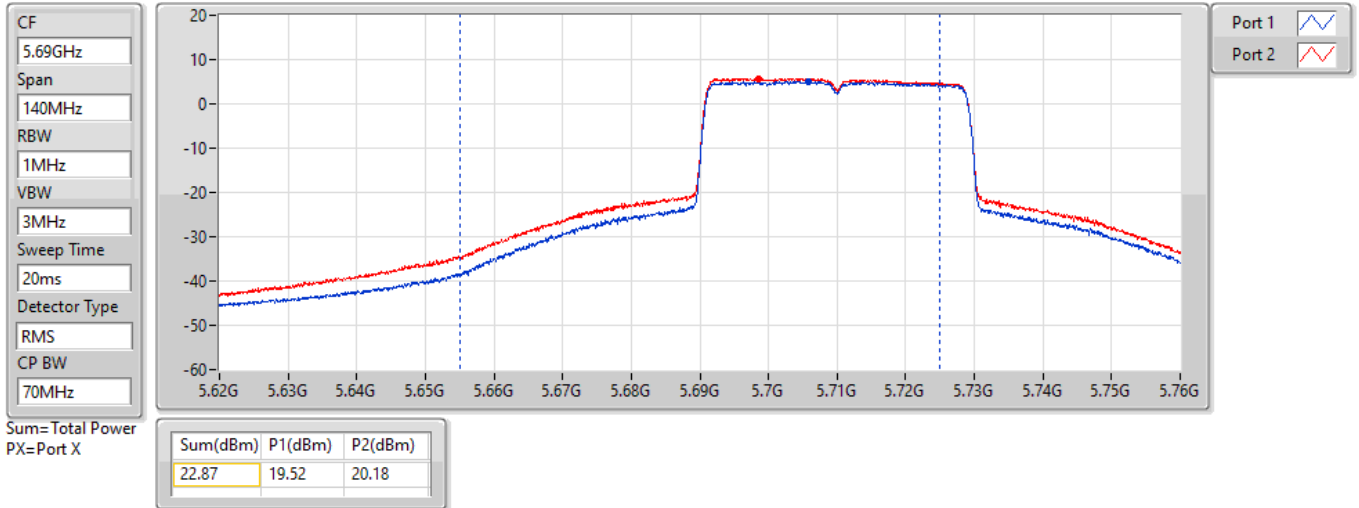


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

04/08/2022

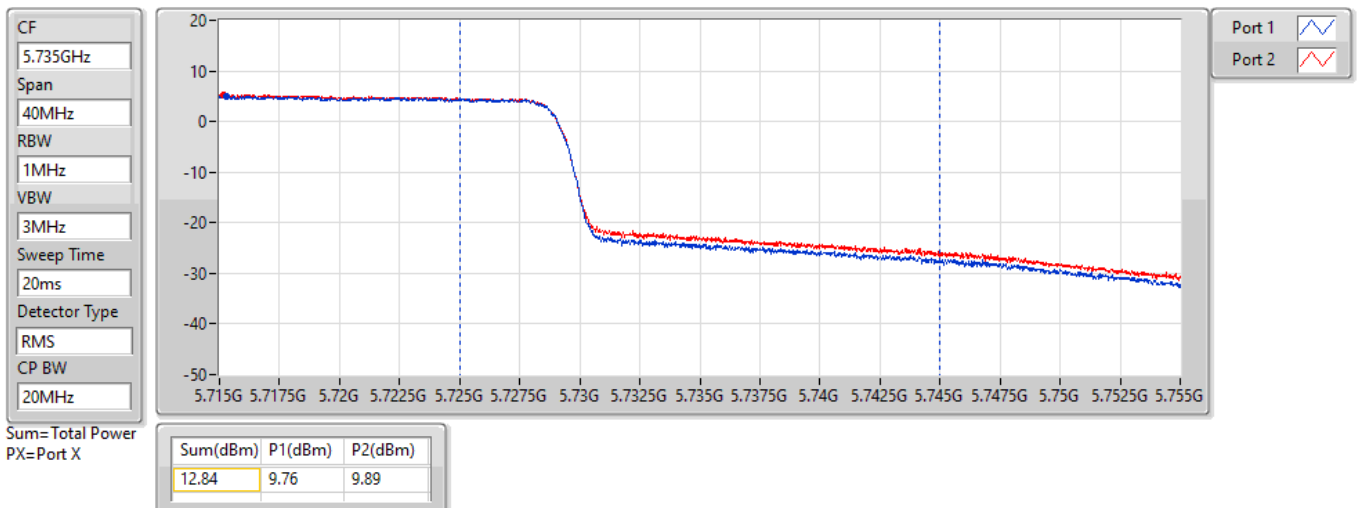


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

04/08/2022

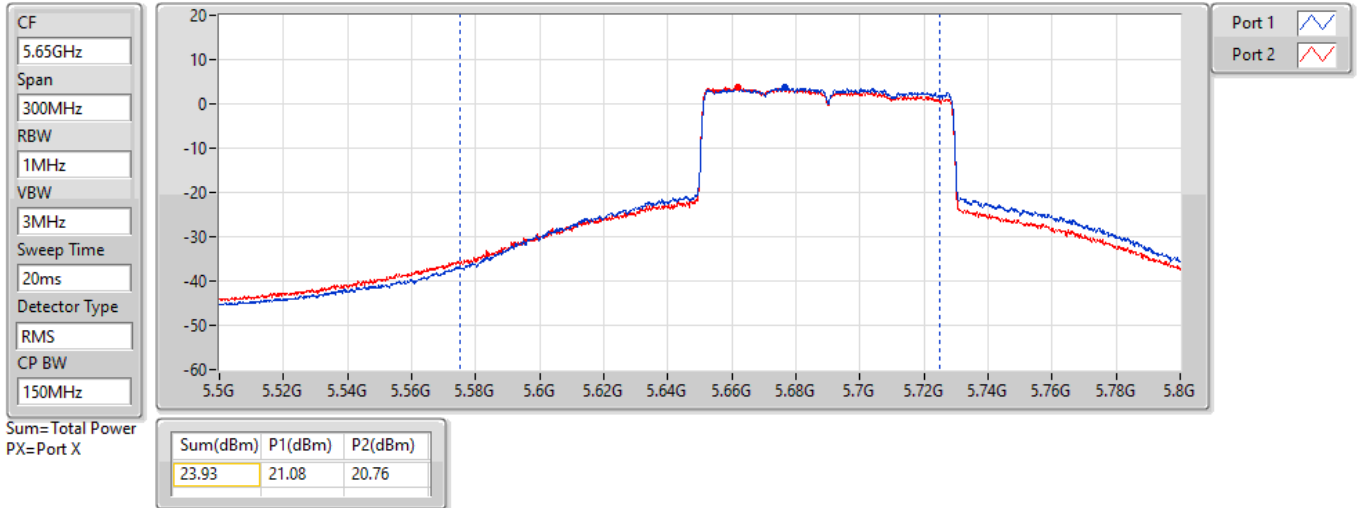


802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

04/08/2022

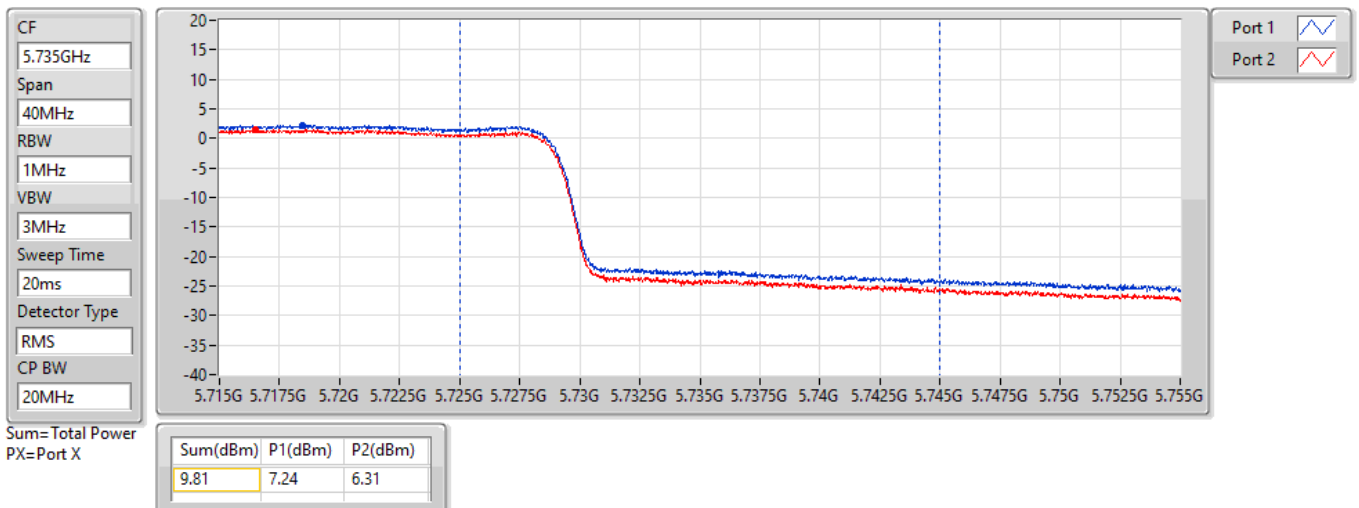


802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

04/08/2022

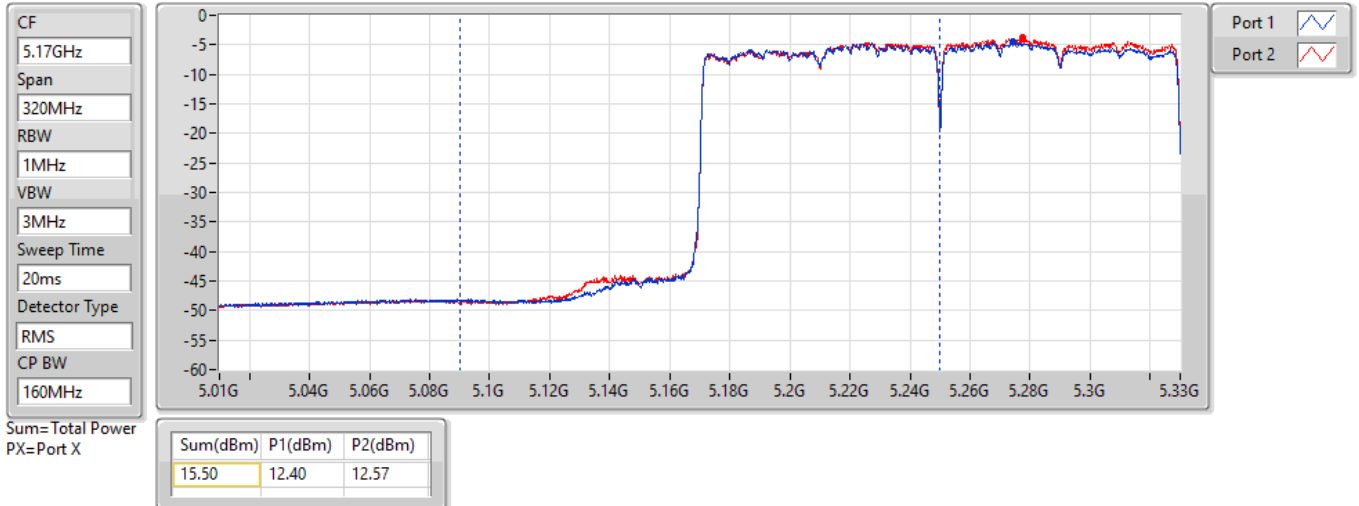


802.11ax HEW160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

04/08/2022

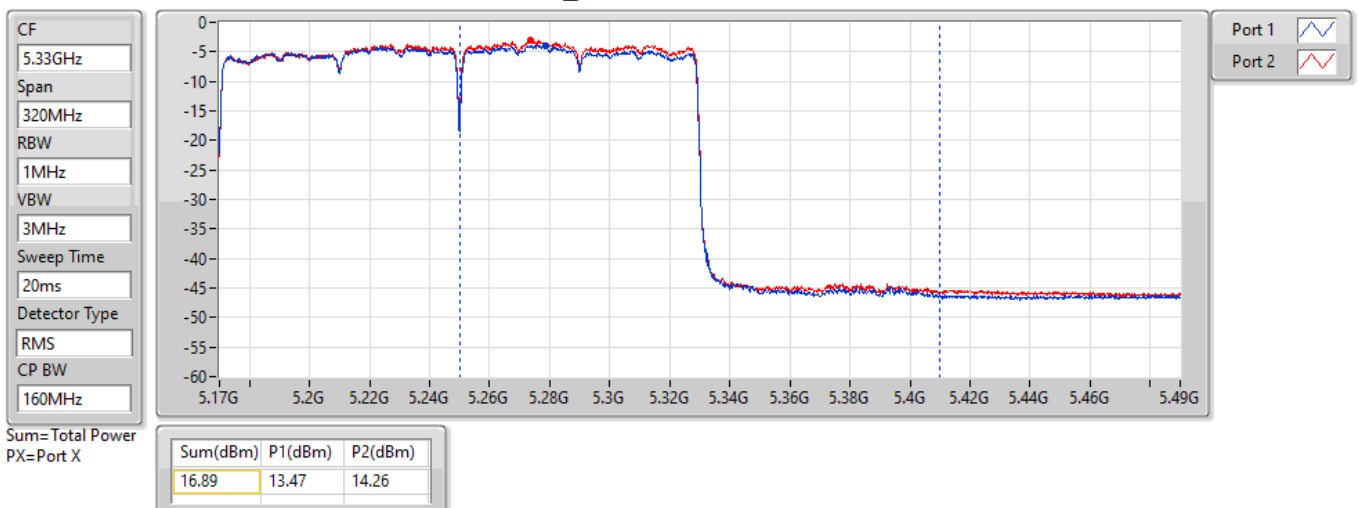


802.11ax HEW160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

04/08/2022



802.11ax HEW160_Nss2,(MCS0)_2TX

AV Power

5570MHz_TnomVnom

04/08/2022





**Average Power_Set 3 antenna with 30 degree_R2_4T1S_
Non beamforming mode**

Appendix B.4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	17.94	0.06223
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	20.60	0.11482
802.11ax HEW20_Nss1,(MCS0)_4TX	21.23	0.13274
802.11ax HEW40_Nss1,(MCS0)_4TX	23.94	0.24774
802.11ax HEW80_Nss1,(MCS0)_4TX	23.63	0.23067
802.11ax HEW160_Nss1,(MCS0)_4TX	18.55	0.07161
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	20.90	0.12303
802.11ax HEW20_Nss1,(MCS0)_4TX	21.50	0.14125
802.11ax HEW40_Nss1,(MCS0)_4TX	23.90	0.24547
802.11ax HEW80_Nss1,(MCS0)_4TX	23.95	0.24831
802.11ax HEW160_Nss1,(MCS0)_4TX	18.67	0.07362
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	13.41	0.02193
802.11ax HEW20_Nss1,(MCS0)_4TX	15.12	0.03251
802.11ax HEW40_Nss1,(MCS0)_4TX	13.78	0.02388
802.11ax HEW80_Nss1,(MCS0)_4TX	10.17	0.01040



Average Power_Set 3 antenna with 30 degree_R2_4T1S
Non beamforming mode

Appendix B.4

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	3.70	14.65	14.53	14.53	14.52	20.58	23.98
5300MHz	Pass	3.70	14.70	14.36	14.53	14.71	20.60	23.98
5320MHz	Pass	3.70	14.32	14.56	14.56	14.60	20.53	23.98
5500MHz	Pass	3.30	14.85	14.58	14.64	14.62	20.69	23.98
5580MHz	Pass	3.30	14.96	14.87	14.83	14.85	20.90	23.98
5700MHz	Pass	3.30	14.75	14.56	14.65	15.09	20.79	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.30	13.87	13.68	13.98	13.83	19.86	22.96
5720MHz Straddle 5.725-5.85GHz	Pass	3.30	7.52	7.09	7.34	7.59	13.41	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	3.70	15.29	14.98	15.06	15.07	21.12	23.98
5300MHz	Pass	3.70	15.28	15.28	15.06	15.20	21.23	23.98
5320MHz	Pass	3.70	15.08	15.28	15.06	15.31	21.20	23.98
5500MHz	Pass	3.30	15.58	15.49	15.51	15.33	21.50	23.98
5580MHz	Pass	3.30	15.49	15.39	15.31	15.43	21.43	23.98
5700MHz	Pass	3.30	14.99	15.10	15.05	15.27	21.12	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.30	14.27	14.32	14.30	14.39	20.34	22.99
5720MHz Straddle 5.725-5.85GHz	Pass	3.30	9.11	8.88	9.12	9.26	15.12	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	3.70	17.63	17.88	17.89	17.69	23.79	23.98
5310MHz	Pass	3.70	17.66	18.16	17.95	17.90	23.94	23.98
5510MHz	Pass	3.30	17.89	17.49	18.02	18.11	23.90	23.98
5550MHz	Pass	3.30	16.90	16.74	16.72	16.88	22.83	23.98
5670MHz	Pass	3.30	16.62	17.02	16.56	16.85	22.79	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.30	17.75	17.98	17.47	17.56	23.72	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.30	7.81	7.68	7.75	7.79	13.78	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	3.70	17.57	17.45	17.70	17.70	23.63	23.98
5530MHz	Pass	3.30	17.70	17.65	17.70	17.89	23.76	23.98
5610MHz	Pass	3.30	17.87	17.85	17.85	17.99	23.91	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.30	18.06	17.76	17.92	17.97	23.95	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.30	4.39	3.28	4.36	4.46	10.17	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.30	11.57	11.75	12.15	12.16	17.94	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.70	12.01	12.73	12.66	12.66	18.55	23.98
5570MHz	Pass	3.30	12.14	13.02	12.52	12.86	18.67	23.98

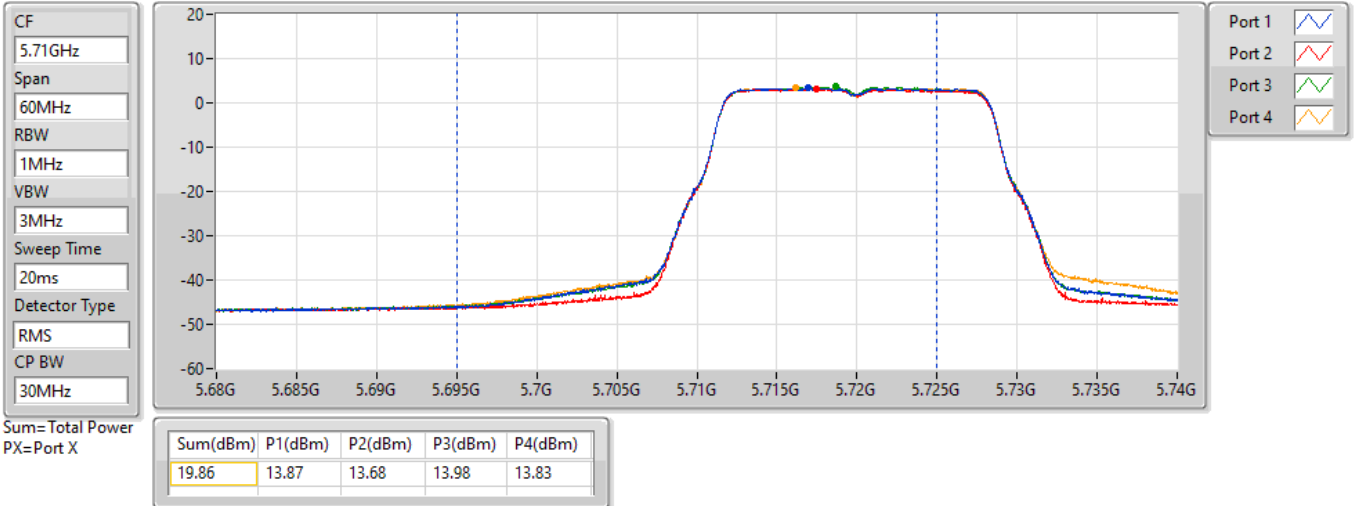
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

03/08/2022

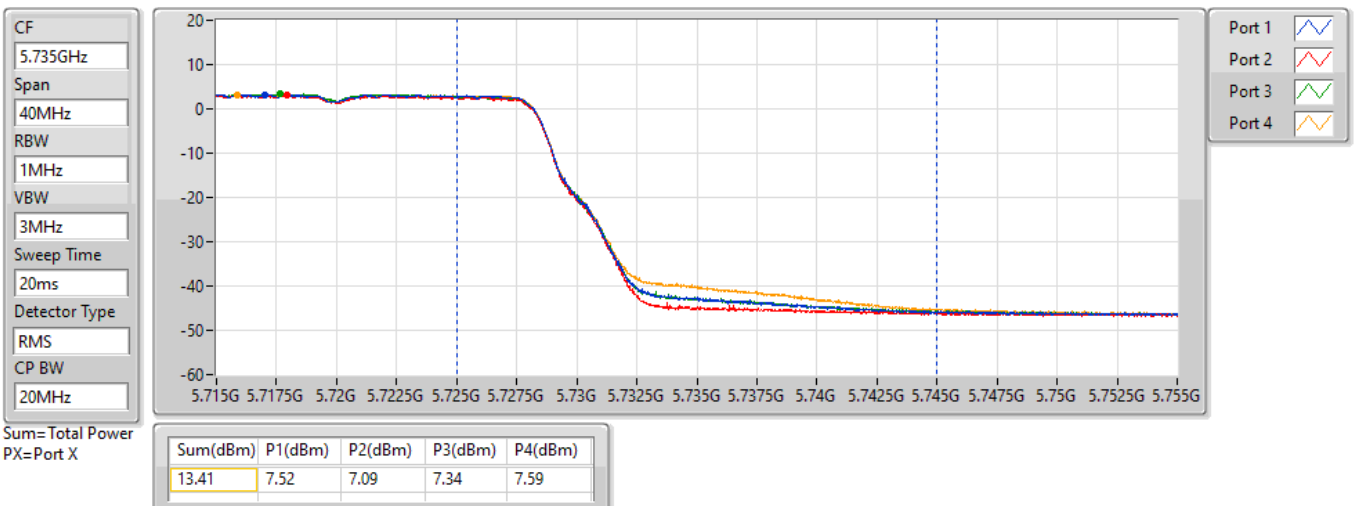


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

03/08/2022



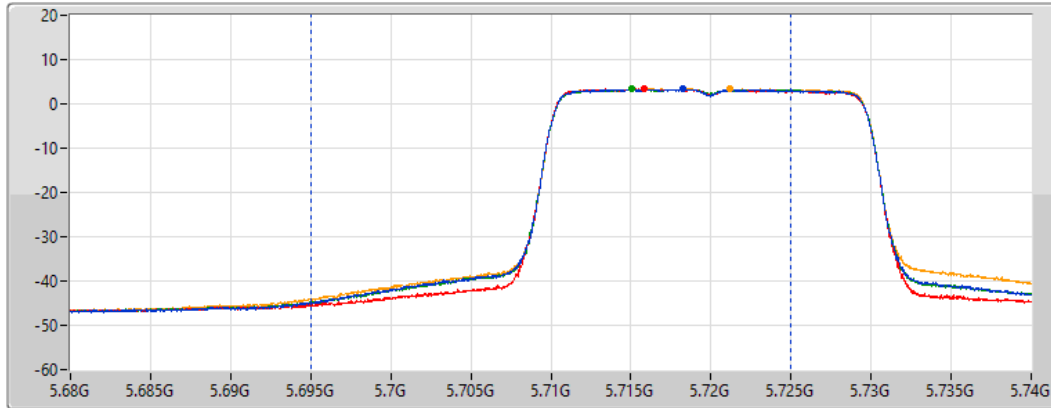
802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

03/08/2022

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
30MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
20.34	14.27	14.32	14.30	14.39

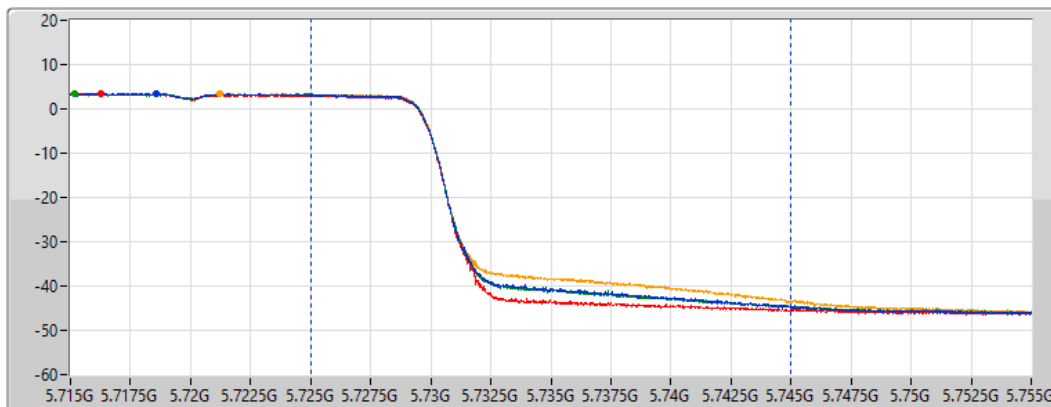
802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

03/08/2022

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
15.12	9.11	8.88	9.12	9.26

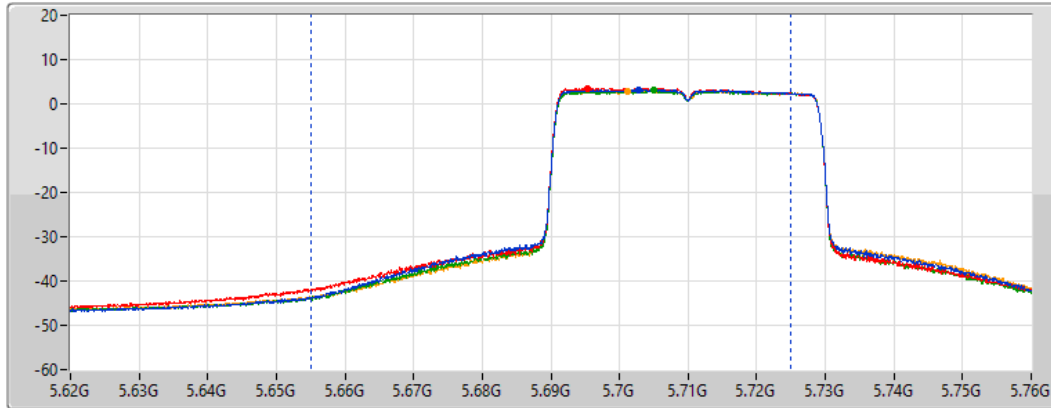
802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

03/08/2022

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
70MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.72	17.75	17.98	17.47	17.56

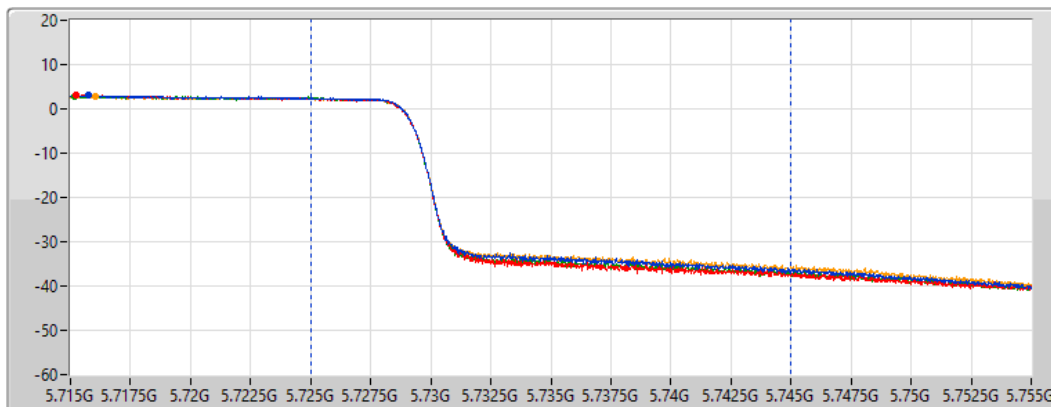
802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

03/08/2022

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

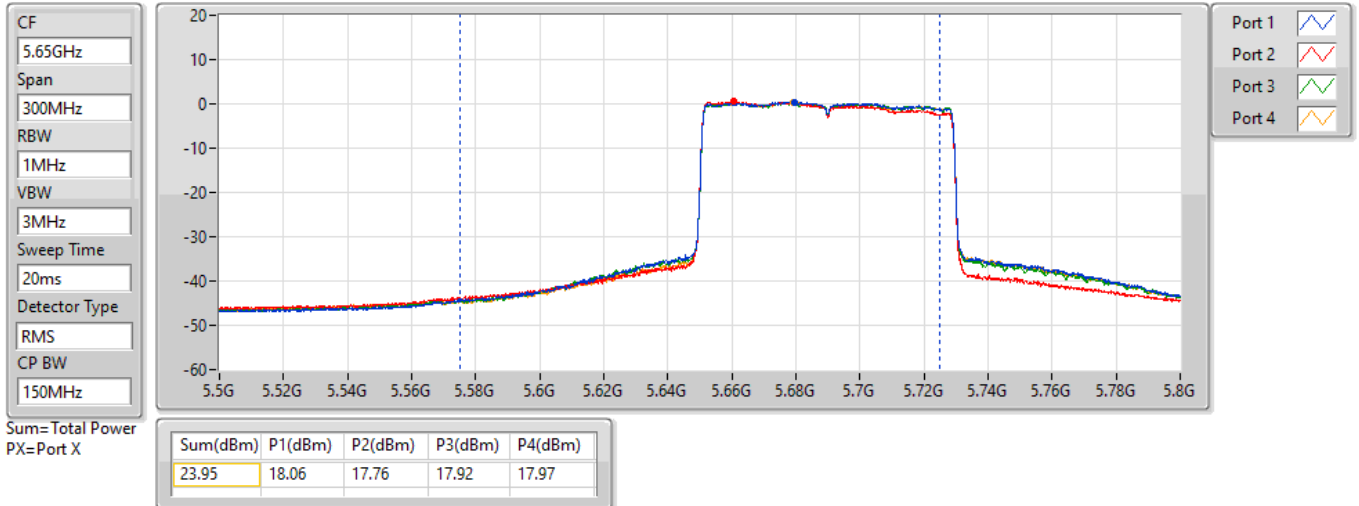
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.78	7.81	7.68	7.75	7.79

802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

03/08/2022

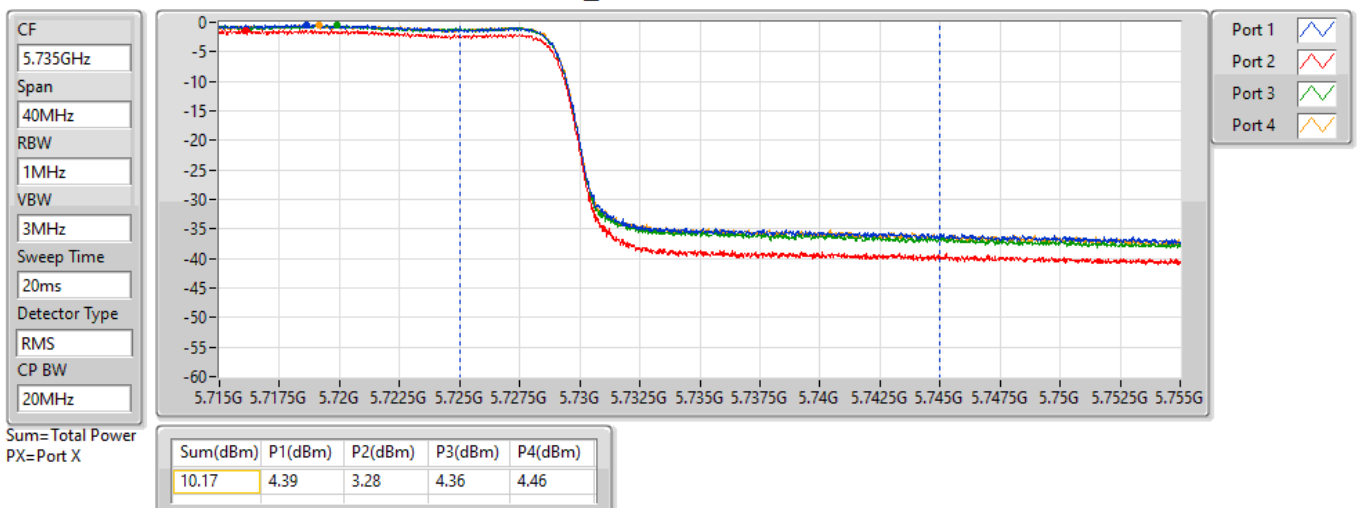


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

03/08/2022

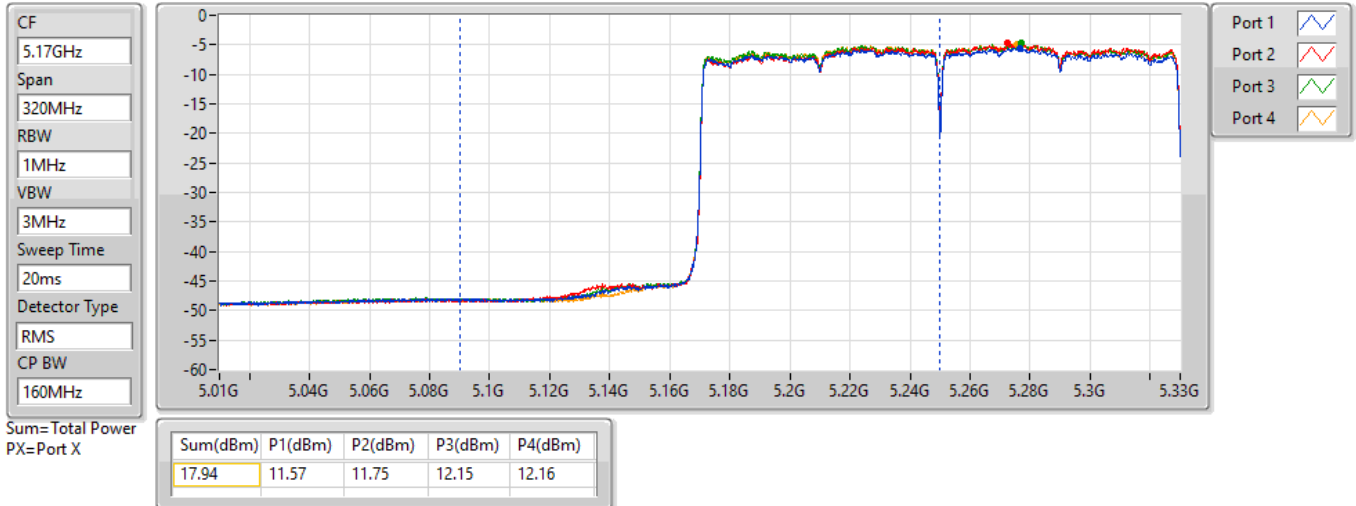


802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

03/08/2022

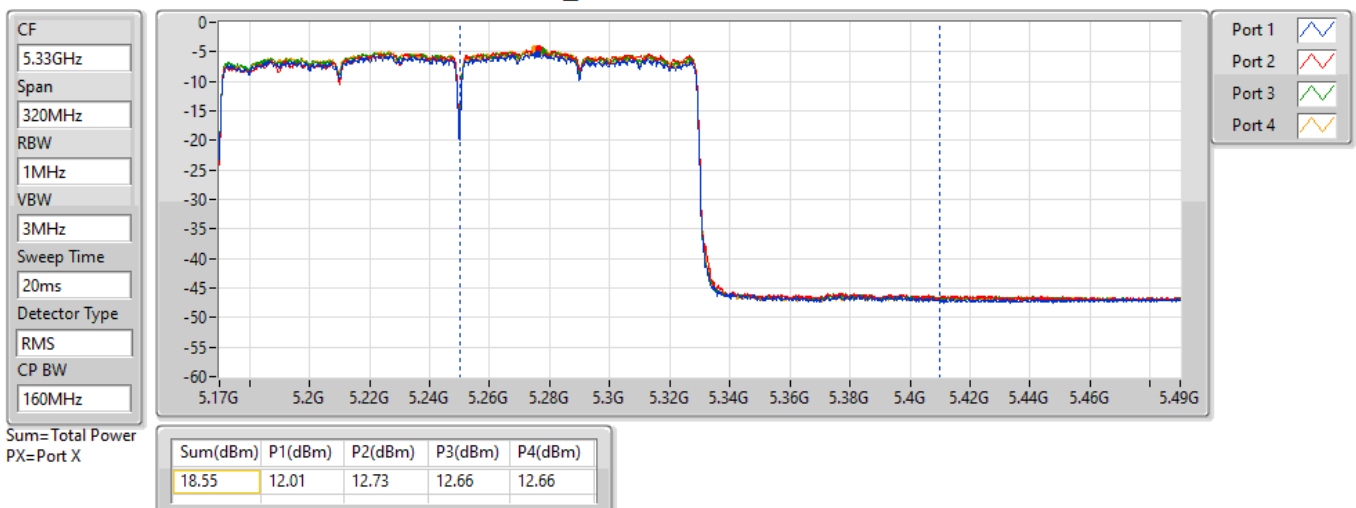


802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

03/08/2022





**Average Power_Set 3 antenna with 30 degree_R2_4T1S_
Beamforming mode**

Appendix B.5

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	17.94	0.06223
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	20.65	0.11614
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	20.66	0.11641
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	20.45	0.11092
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	18.55	0.07161
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	20.85	0.12162
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	20.85	0.12162
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	20.85	0.12162
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	18.67	0.07362
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.46	0.02793
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	10.94	0.01242
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	7.06	0.00508



Average Power_Set 3 antenna with 30 degree_R2_4T1S_
Beamforming mode

Appendix B.5

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	9.30	14.70	14.53	14.59	14.68	20.65	20.68
5300MHz	Pass	9.30	14.50	14.51	14.33	14.48	20.48	20.68
5320MHz	Pass	9.30	14.66	14.51	14.52	14.69	20.62	20.68
5500MHz	Pass	9.10	14.85	14.91	14.68	14.55	20.77	20.88
5580MHz	Pass	9.10	14.87	14.91	14.75	14.78	20.85	20.88
5700MHz	Pass	9.10	14.78	14.51	14.64	14.80	20.70	20.88
5720MHz Straddle 5.47-5.725GHz	Pass	9.10	13.77	13.57	13.78	13.75	19.74	19.89
5720MHz Straddle 5.725-5.85GHz	Pass	8.83	8.47	8.07	8.50	8.71	14.46	27.17
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	9.30	14.65	14.67	14.69	14.48	20.64	20.68
5310MHz	Pass	9.30	14.45	14.72	14.75	14.63	20.66	20.68
5510MHz	Pass	9.10	14.87	14.63	14.50	14.58	20.67	20.88
5550MHz	Pass	9.10	14.73	14.46	14.62	14.87	20.69	20.88
5670MHz	Pass	9.10	14.79	15.04	14.73	14.76	20.85	20.88
5710MHz Straddle 5.47-5.725GHz	Pass	9.10	14.87	14.89	14.70	14.52	20.77	20.88
5710MHz Straddle 5.725-5.85GHz	Pass	8.83	5.00	4.89	4.95	4.83	10.94	27.17
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	9.30	14.40	14.39	14.46	14.48	20.45	20.68
5530MHz	Pass	9.10	14.69	14.75	14.58	14.55	20.66	20.88
5610MHz	Pass	9.10	15.00	14.62	14.87	14.83	20.85	20.88
5690MHz Straddle 5.47-5.725GHz	Pass	9.10	14.91	14.49	14.76	14.60	20.71	20.88
5690MHz Straddle 5.725-5.85GHz	Pass	8.83	1.45	0.29	1.22	1.12	7.06	27.17
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.88	11.57	11.75	12.15	12.16	17.94	27.12
5250MHz Straddle 5.25-5.35GHz	Pass	9.30	12.01	12.73	12.66	12.66	18.55	20.68
5570MHz	Pass	9.10	12.14	13.02	12.52	12.86	18.67	20.88

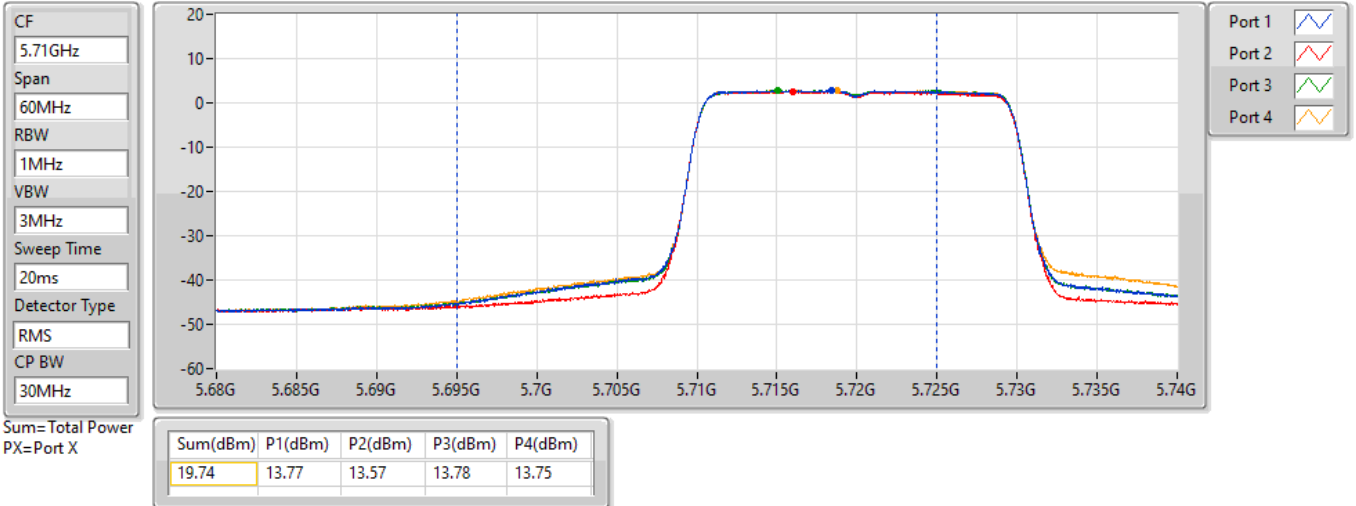
DG = Directional Gain; Port X = Port X output power

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

03/08/2022

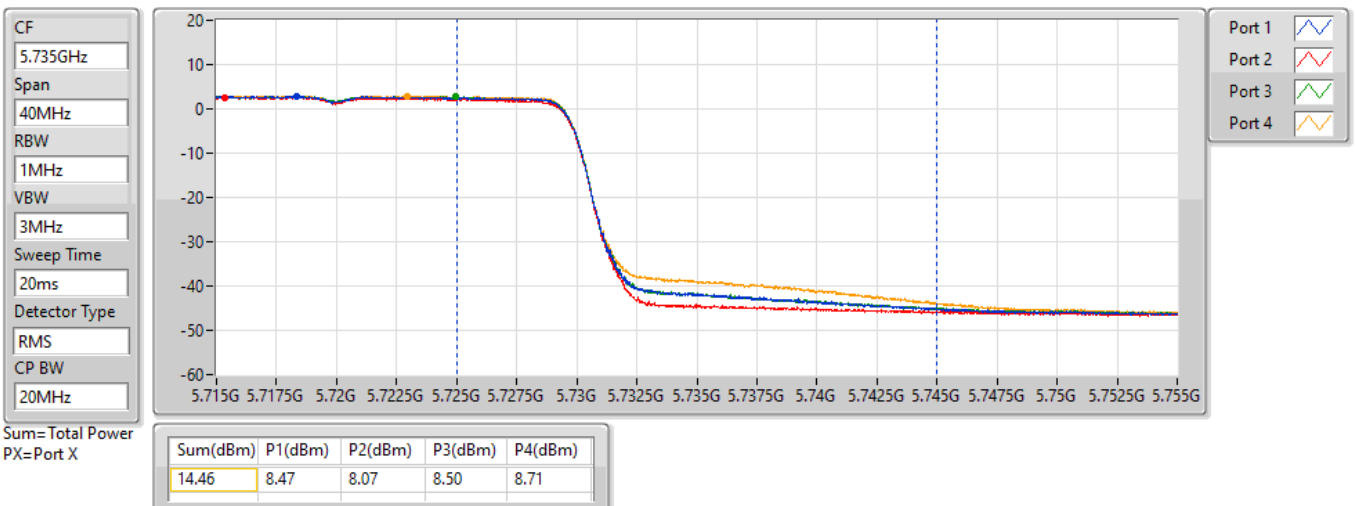


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

03/08/2022



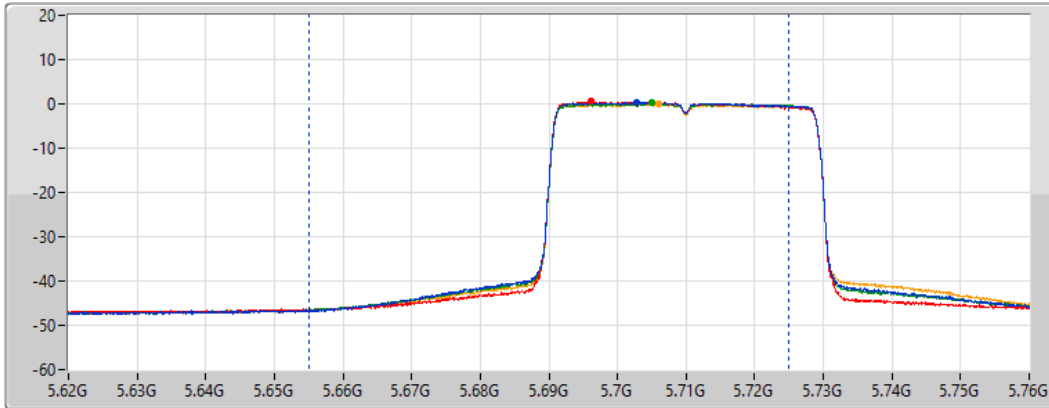
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

03/08/2022

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
70MHz



Port 1 
Port 2 
Port 3 
Port 4 

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
20.77	14.87	14.89	14.70	14.52

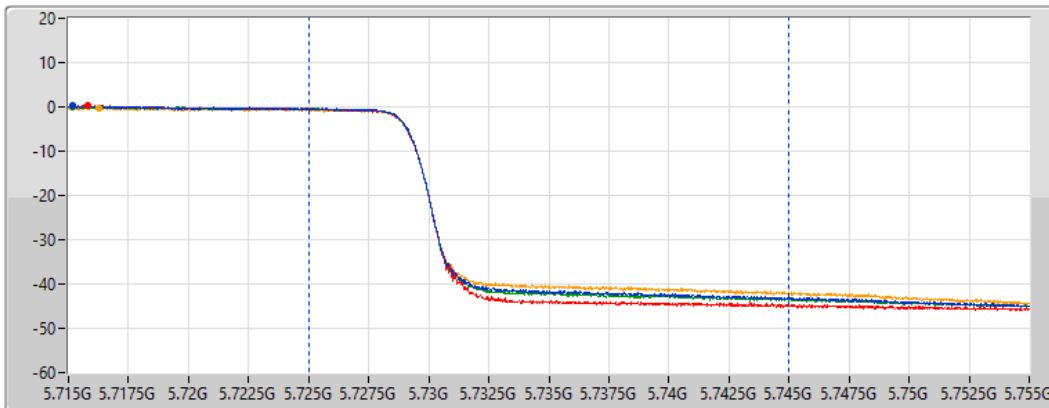
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

03/08/2022

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1 
Port 2 
Port 3 
Port 4 

Sum= Total Power
PX=Port X

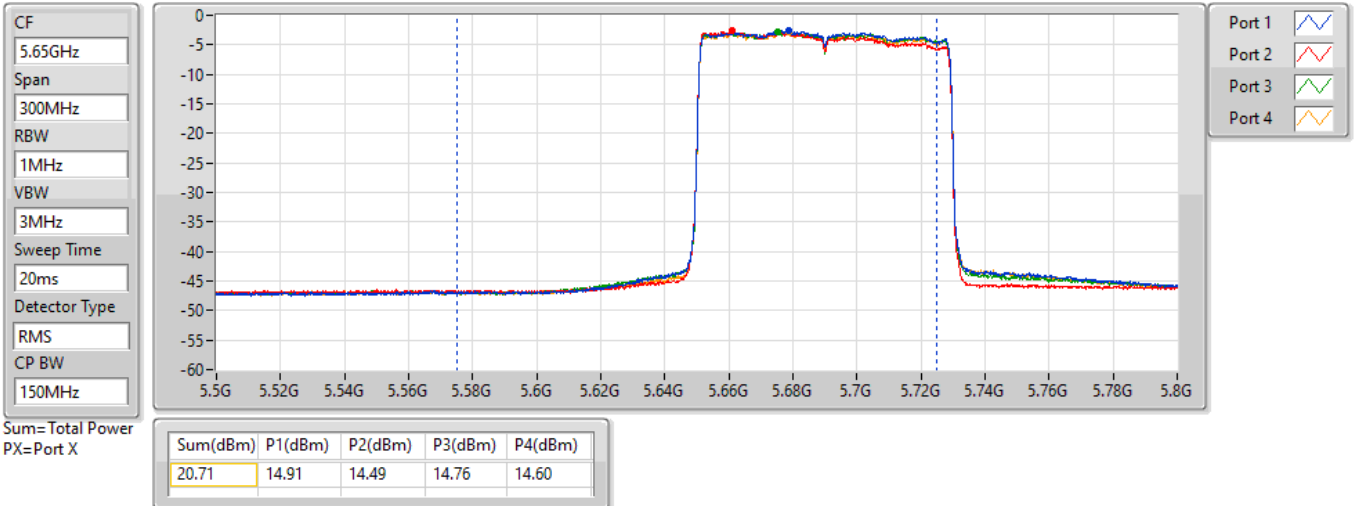
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.94	5.00	4.89	4.95	4.83

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

03/08/2022

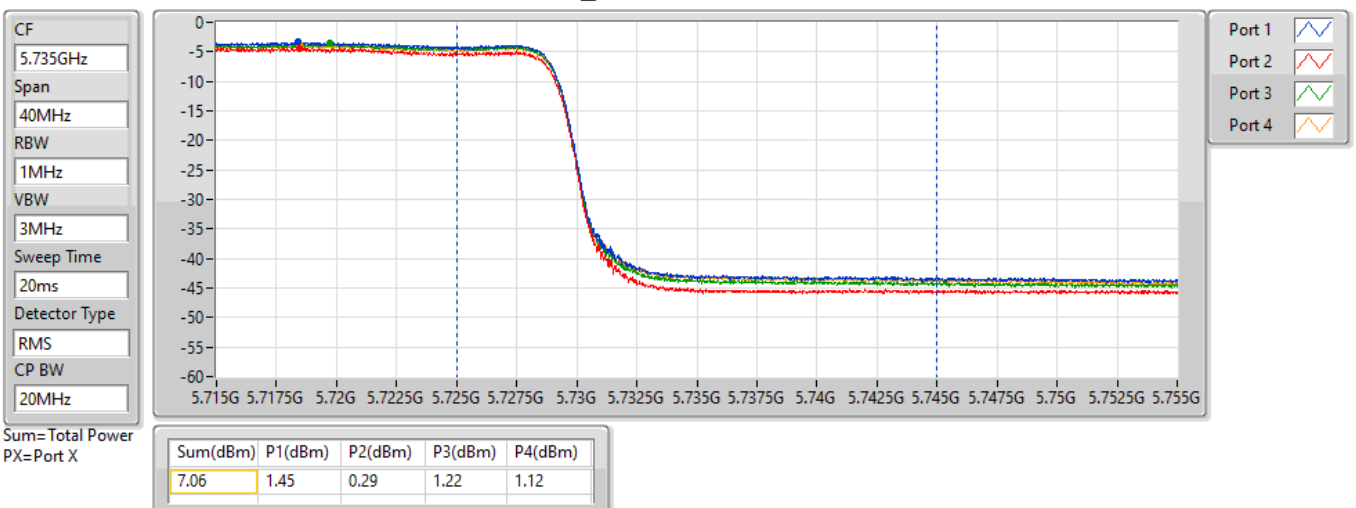


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

03/08/2022

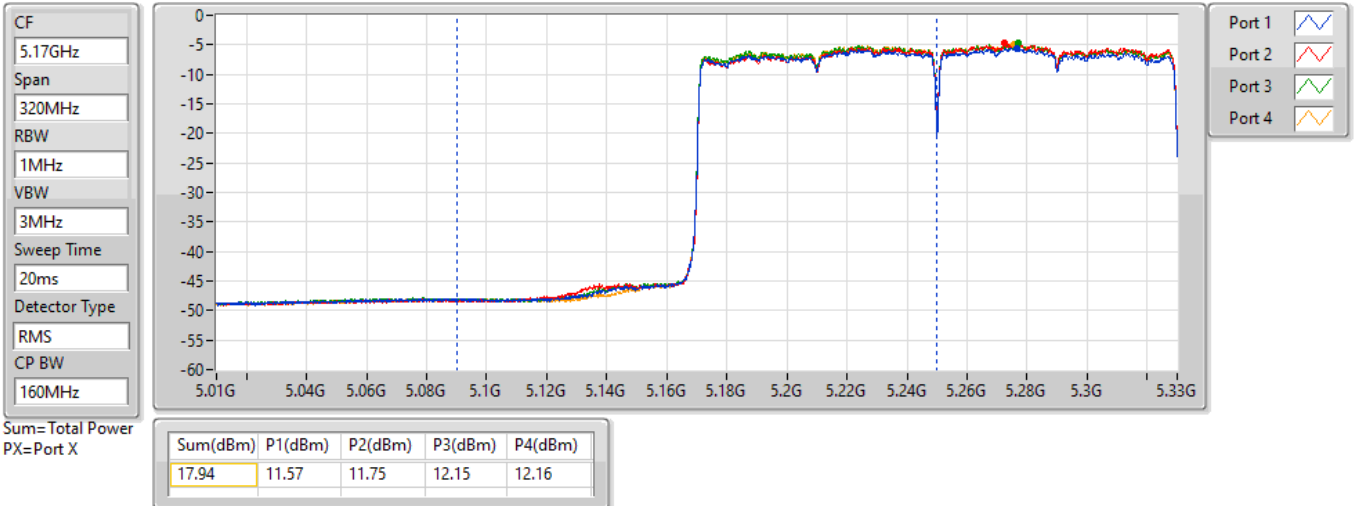


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

03/08/2022

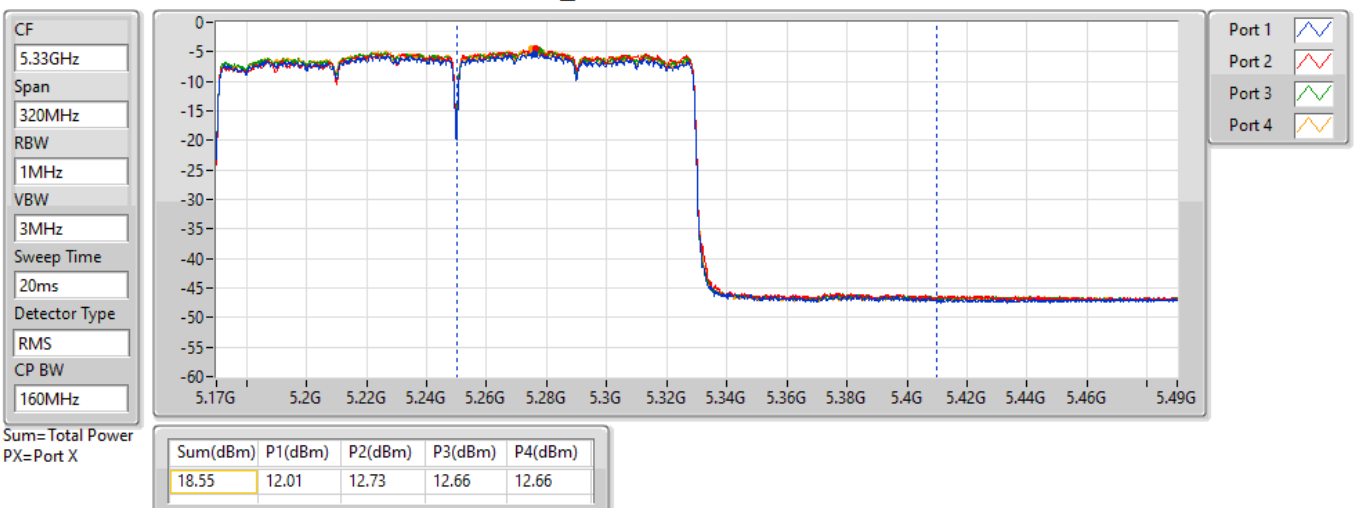


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

03/08/2022



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	18.31	0.06776
5.25-5.35GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	23.91	0.24604
802.11ax HEW40_Nss4,(MCS0)_4TX	23.96	0.24889
802.11ax HEW80_Nss4,(MCS0)_4TX	23.75	0.23714
802.11ax HEW160_Nss4,(MCS0)_4TX	18.89	0.07745
5.47-5.725GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	23.91	0.24604
802.11ax HEW40_Nss4,(MCS0)_4TX	23.95	0.24831
802.11ax HEW80_Nss4,(MCS0)_4TX	23.83	0.24155
802.11ax HEW160_Nss4,(MCS0)_4TX	18.91	0.07780
5.725-5.85GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	17.54	0.05675
802.11ax HEW40_Nss4,(MCS0)_4TX	14.09	0.02564
802.11ax HEW80_Nss4,(MCS0)_4TX	10.17	0.01040

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	3.28	17.61	17.76	17.79	17.81	23.76	23.98
5300MHz	Pass	3.28	17.49	17.76	17.98	17.85	23.79	23.98
5320MHz	Pass	3.28	17.70	17.91	18.01	17.93	23.91	23.98
5500MHz	Pass	3.08	18.03	17.98	17.81	17.75	23.91	23.98
5580MHz	Pass	3.08	17.77	17.80	17.69	17.75	23.77	23.98
5700MHz	Pass	3.08	15.86	15.81	15.90	16.18	21.96	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.08	16.83	16.88	16.77	16.86	22.86	22.98
5720MHz Straddle 5.725-5.85GHz	Pass	2.81	11.52	11.34	11.54	11.69	17.54	30.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	3.28	17.60	18.18	17.93	18.02	23.96	23.98
5310MHz	Pass	3.28	17.66	18.15	17.59	17.58	23.77	23.98
5510MHz	Pass	3.08	18.23	17.57	17.70	17.84	23.86	23.98
5550MHz	Pass	3.08	17.85	17.70	17.72	17.84	23.80	23.98
5670MHz	Pass	3.08	17.77	18.10	17.60	17.88	23.86	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.08	17.87	18.29	17.69	17.86	23.95	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	2.81	8.00	8.10	7.96	8.21	14.09	30.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	3.28	17.62	17.78	17.66	17.87	23.75	23.98
5530MHz	Pass	3.08	17.18	17.31	17.23	17.42	23.31	23.98
5610MHz	Pass	3.08	17.78	17.73	17.84	17.90	23.83	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.08	17.78	17.62	17.63	17.88	23.75	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	2.81	4.46	3.26	4.28	4.47	10.17	30.00
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.87	11.97	12.05	12.53	12.58	18.31	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.28	12.38	13.01	13.02	13.05	18.89	23.98
5570MHz	Pass	3.08	12.23	13.32	12.76	13.16	18.91	23.98

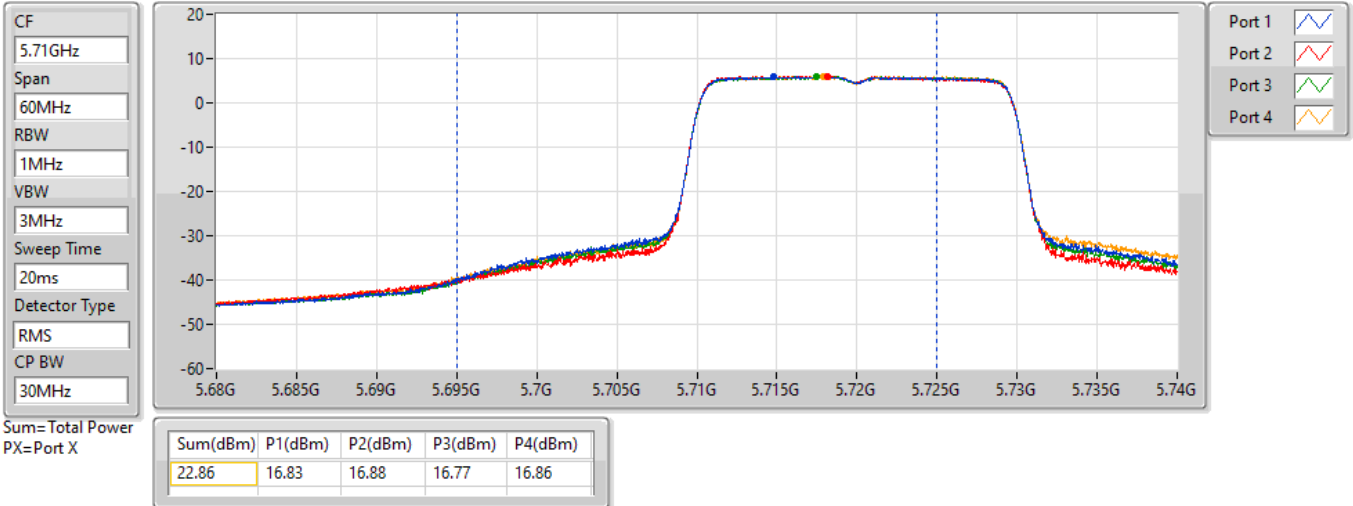
DG = Directional Gain; Port X = Port X output power

802.11ax HEW20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

03/08/2022

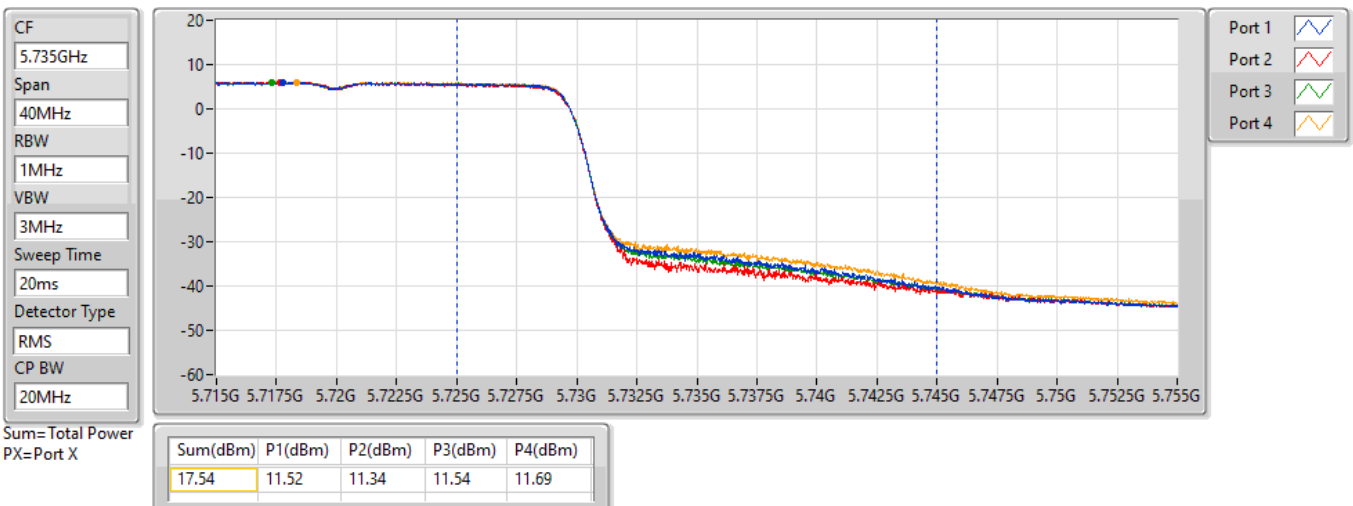


802.11ax HEW20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

03/08/2022



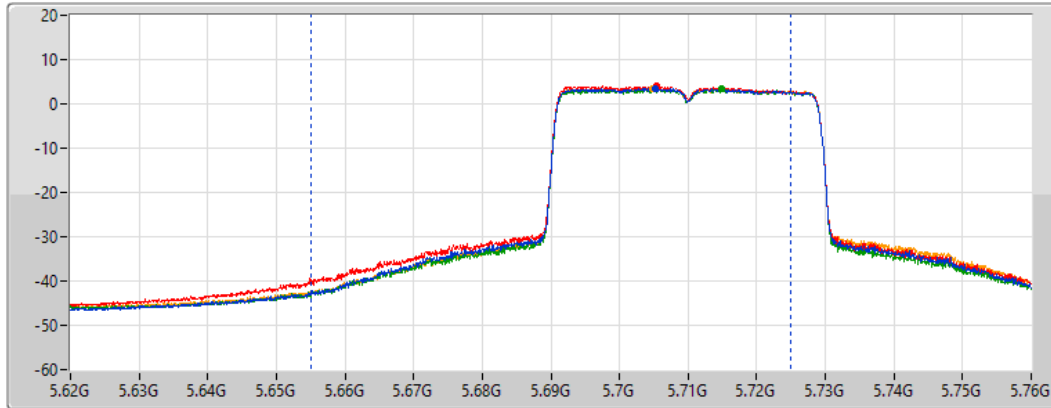
802.11ax HEW40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

03/08/2022

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
70MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.95	17.87	18.29	17.69	17.86

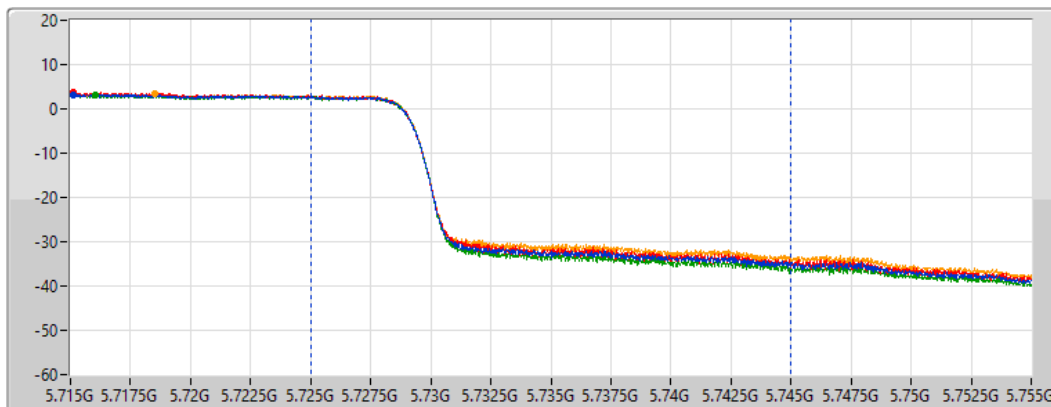
802.11ax HEW40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

03/08/2022

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.09	8.00	8.10	7.96	8.21

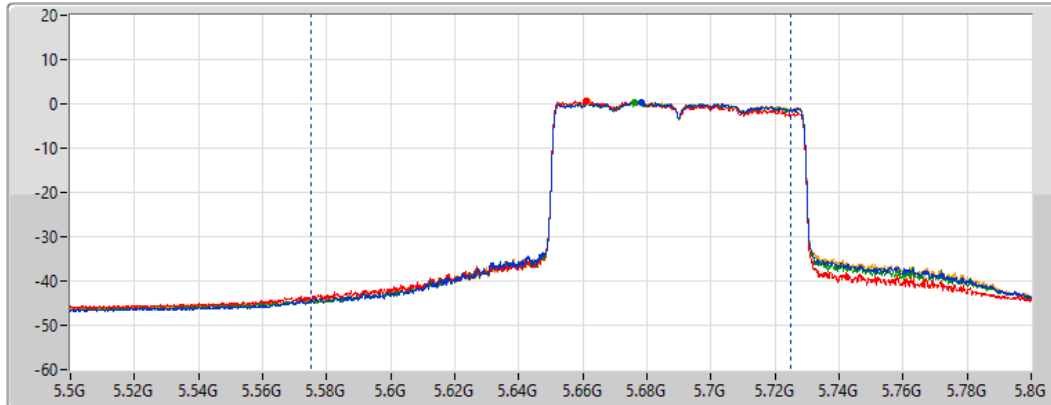
802.11ax HEW80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

03/08/2022

CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
150MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.75	17.78	17.62	17.63	17.88

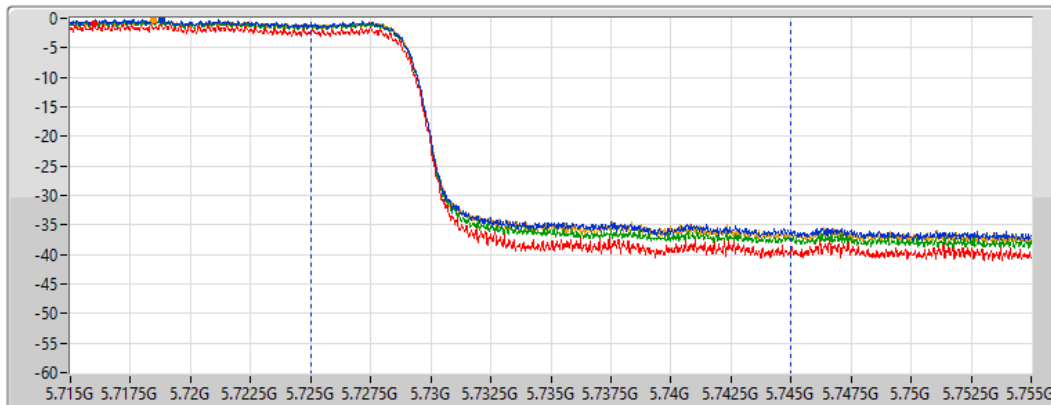
802.11ax HEW80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

03/08/2022

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

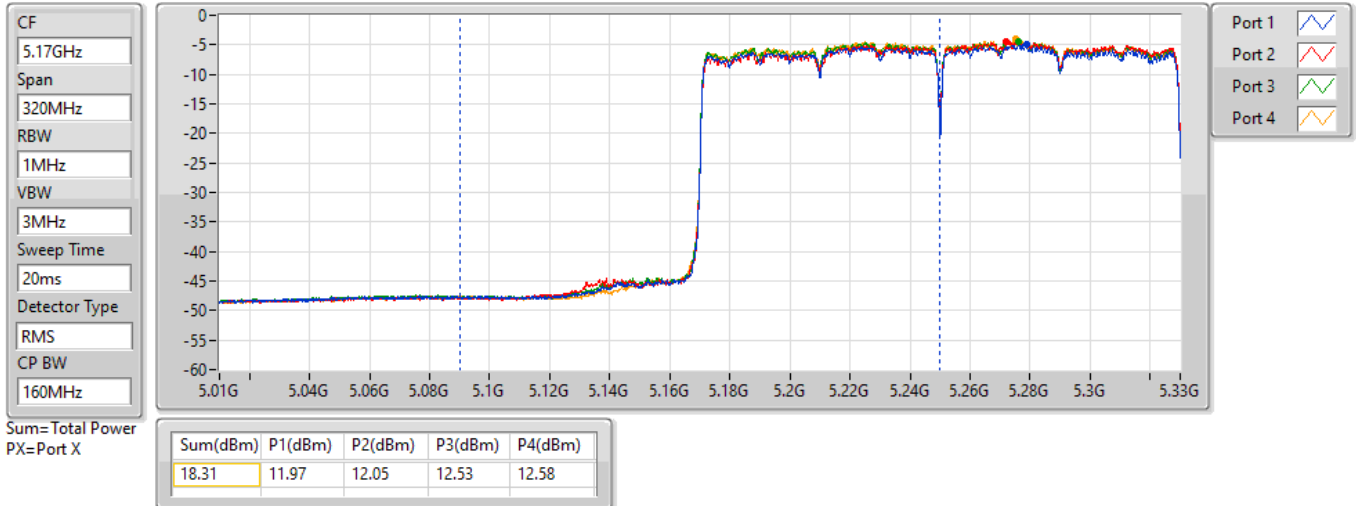
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.17	4.46	3.26	4.28	4.47

802.11ax HEW160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

03/08/2022

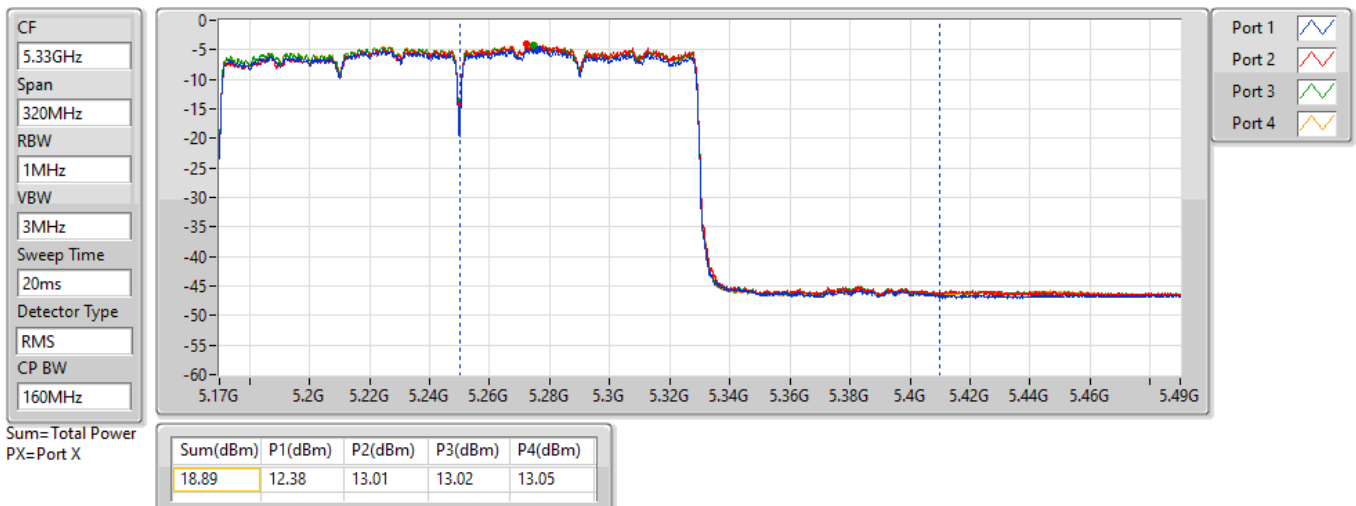


802.11ax HEW160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

03/08/2022



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	16.98	0.04989
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	23.83	0.24155
802.11ax HEW20_Nss1,(MCS0)_1TX	23.82	0.24099
802.11ax HEW40_Nss1,(MCS0)_1TX	23.80	0.23988
802.11ax HEW80_Nss1,(MCS0)_1TX	20.97	0.12503
802.11ax HEW160_Nss1,(MCS0)_1TX	17.42	0.05521
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	23.47	0.22233
802.11ax HEW20_Nss1,(MCS0)_1TX	22.96	0.19770
802.11ax HEW40_Nss1,(MCS0)_1TX	23.37	0.21727
802.11ax HEW80_Nss1,(MCS0)_1TX	22.21	0.16634
802.11ax HEW160_Nss1,(MCS0)_1TX	19.24	0.08395
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	12.62	0.01828
802.11ax HEW20_Nss1,(MCS0)_1TX	12.93	0.01963
802.11ax HEW40_Nss1,(MCS0)_1TX	11.88	0.01542
802.11ax HEW80_Nss1,(MCS0)_1TX	7.97	0.00627

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5260MHz	Pass	1.60	23.83	23.83	23.98
5300MHz	Pass	1.60	23.40	23.40	23.98
5320MHz	Pass	1.60	23.25	23.25	23.98
5500MHz	Pass	0.70	23.47	23.47	23.98
5580MHz	Pass	0.70	21.90	21.90	23.98
5700MHz	Pass	0.70	19.79	19.79	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	0.70	18.79	18.79	23.20
5720MHz Straddle 5.725-5.85GHz	Pass	0.50	12.62	12.62	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5260MHz	Pass	1.60	23.82	23.82	23.98
5300MHz	Pass	1.60	23.63	23.63	23.98
5320MHz	Pass	1.60	23.48	23.48	23.98
5500MHz	Pass	0.70	22.96	22.96	23.98
5580MHz	Pass	0.70	21.48	21.48	23.98
5700MHz	Pass	0.70	17.98	17.98	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	0.70	18.10	18.10	23.02
5720MHz Straddle 5.725-5.85GHz	Pass	0.50	12.93	12.93	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5270MHz	Pass	1.60	23.80	23.80	23.98
5310MHz	Pass	1.60	21.70	21.70	23.98
5510MHz	Pass	0.70	19.67	19.67	23.98
5550MHz	Pass	0.70	23.37	23.37	23.98
5670MHz	Pass	0.70	21.50	21.50	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	0.70	21.59	21.59	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	0.50	11.88	11.88	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5290MHz	Pass	1.60	20.97	20.97	23.98
5530MHz	Pass	0.70	21.52	21.52	23.98
5610MHz	Pass	0.70	22.21	22.21	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	0.70	21.36	21.36	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	0.50	7.97	7.97	30.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	1.20	16.98	16.98	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	1.60	17.42	17.42	23.98
5570MHz	Pass	0.70	19.24	19.24	23.98

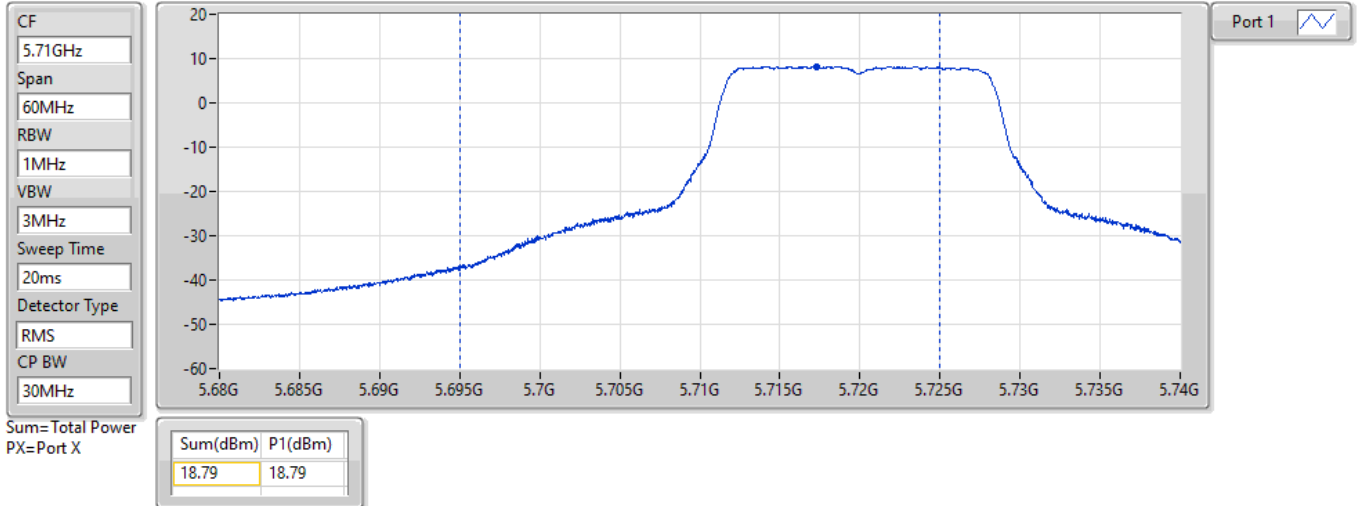
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

30/07/2022

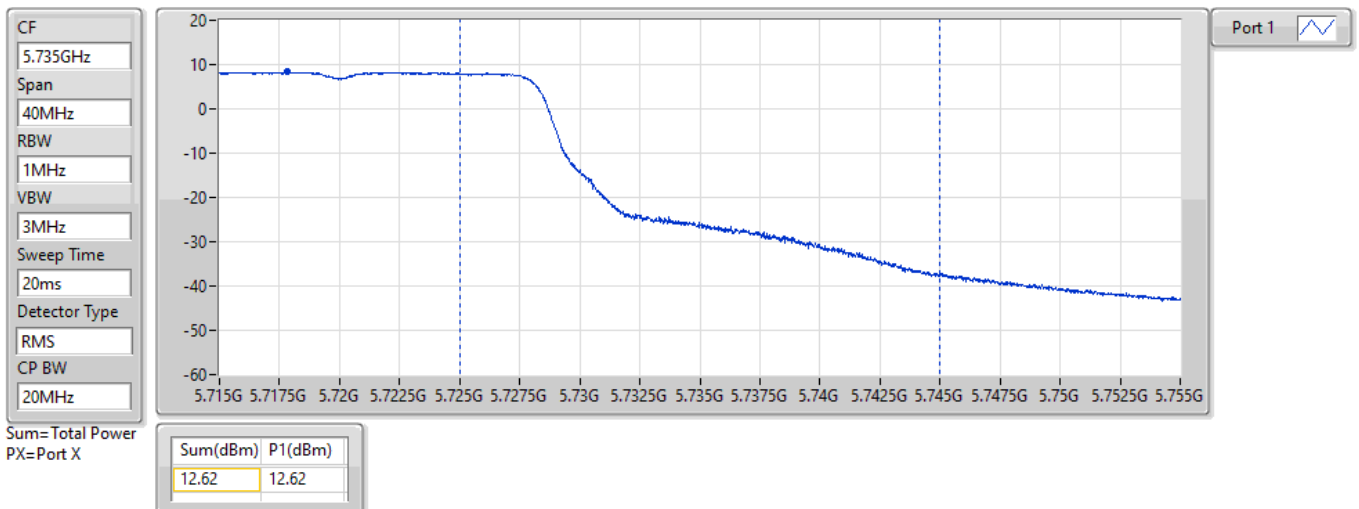


802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

30/07/2022

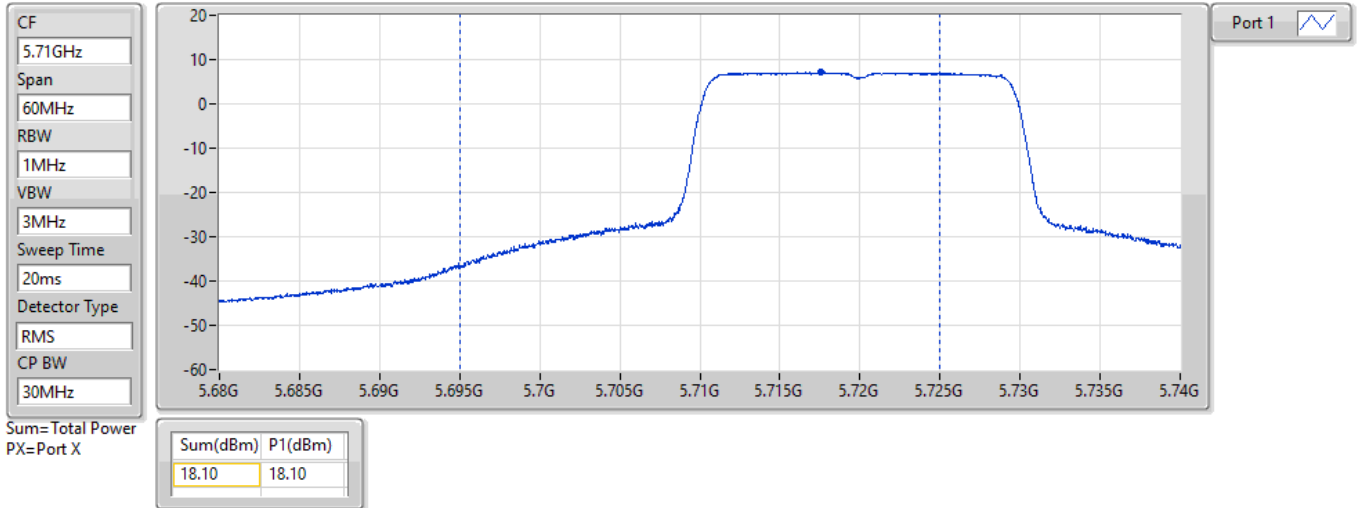


802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

30/07/2022

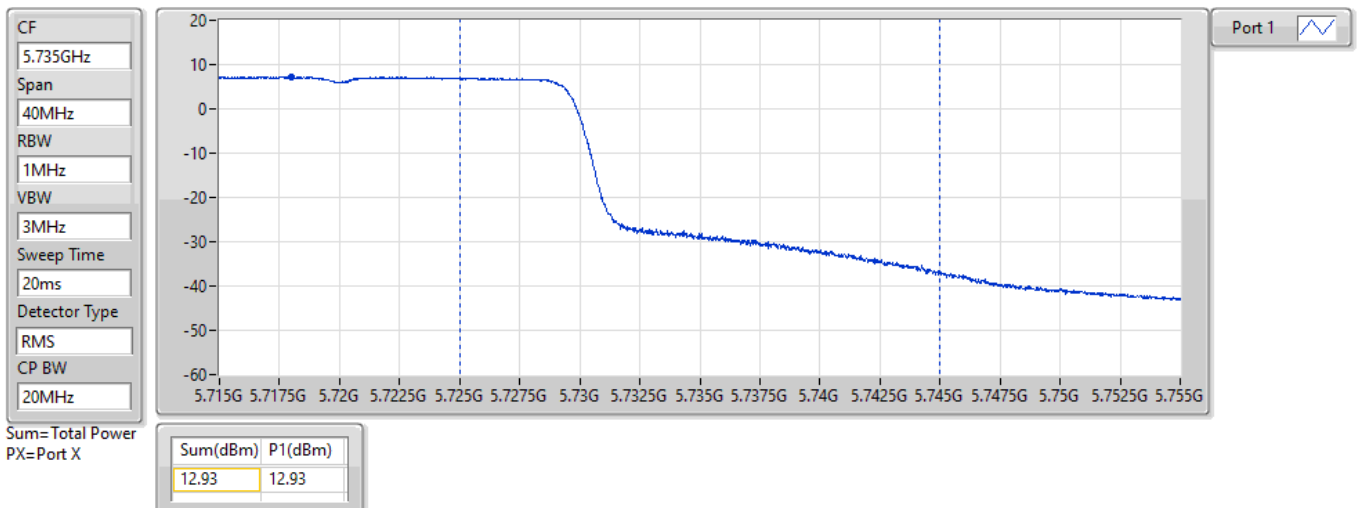


802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

30/07/2022

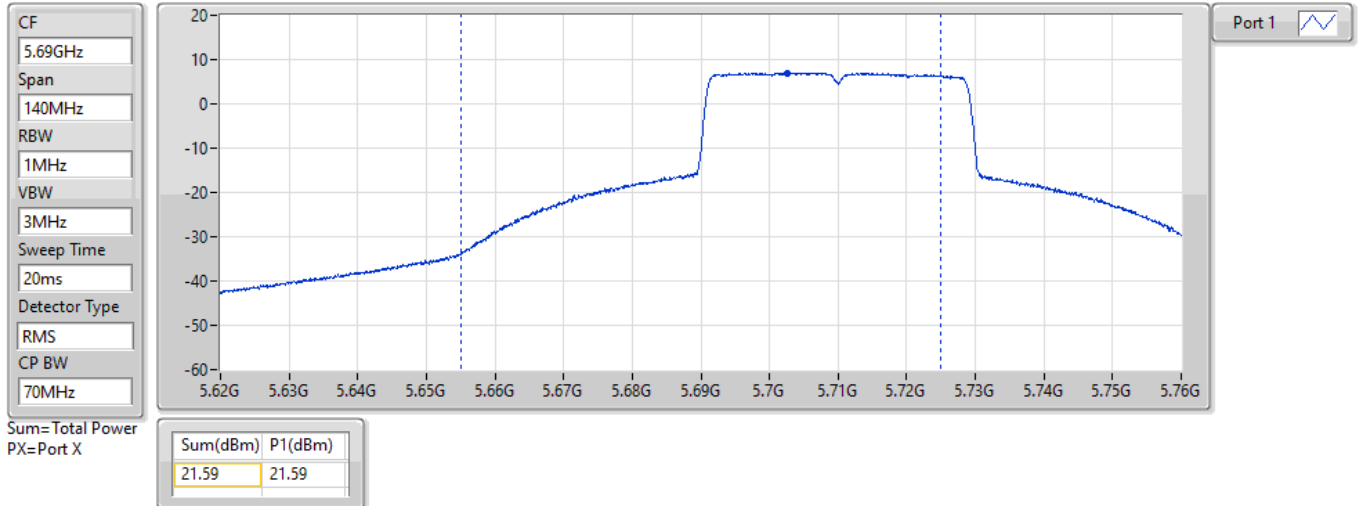


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

30/07/2022

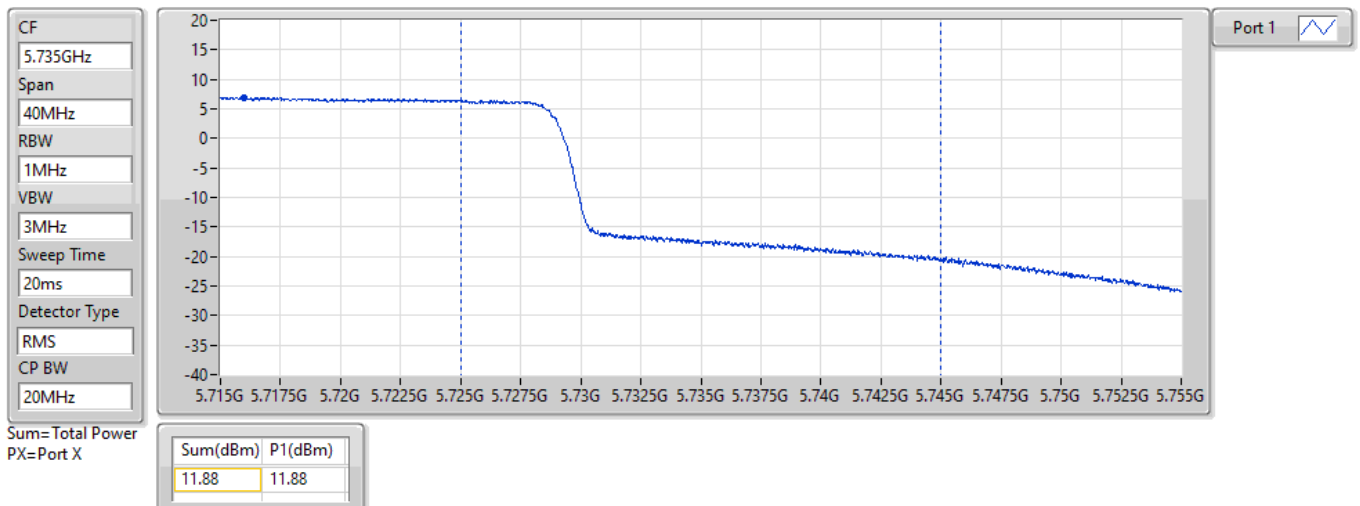


802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

30/07/2022

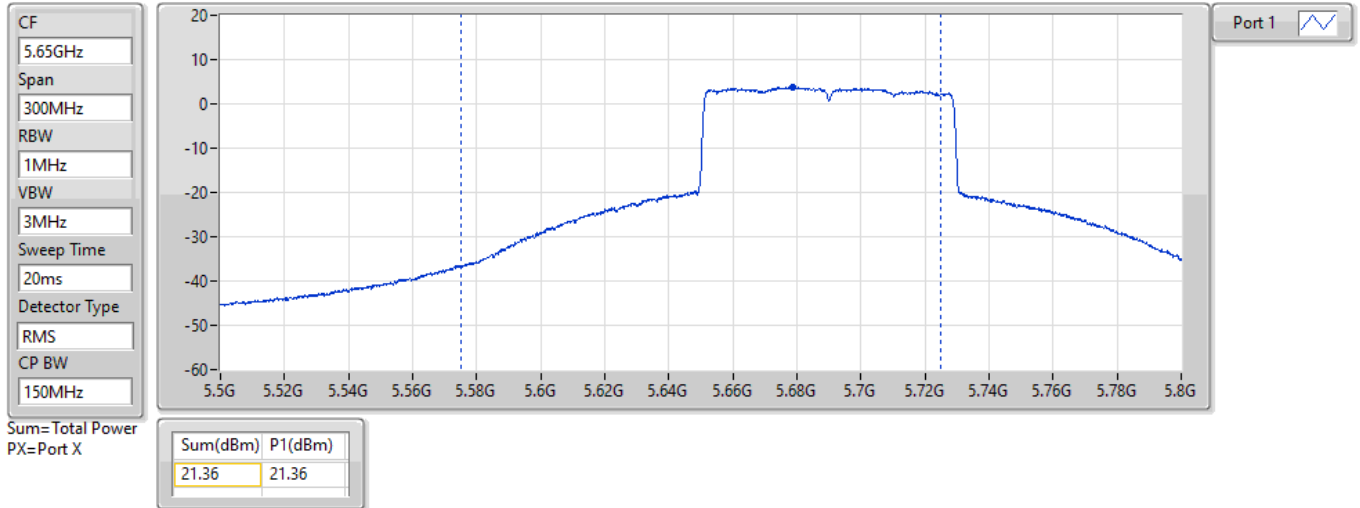


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

30/07/2022

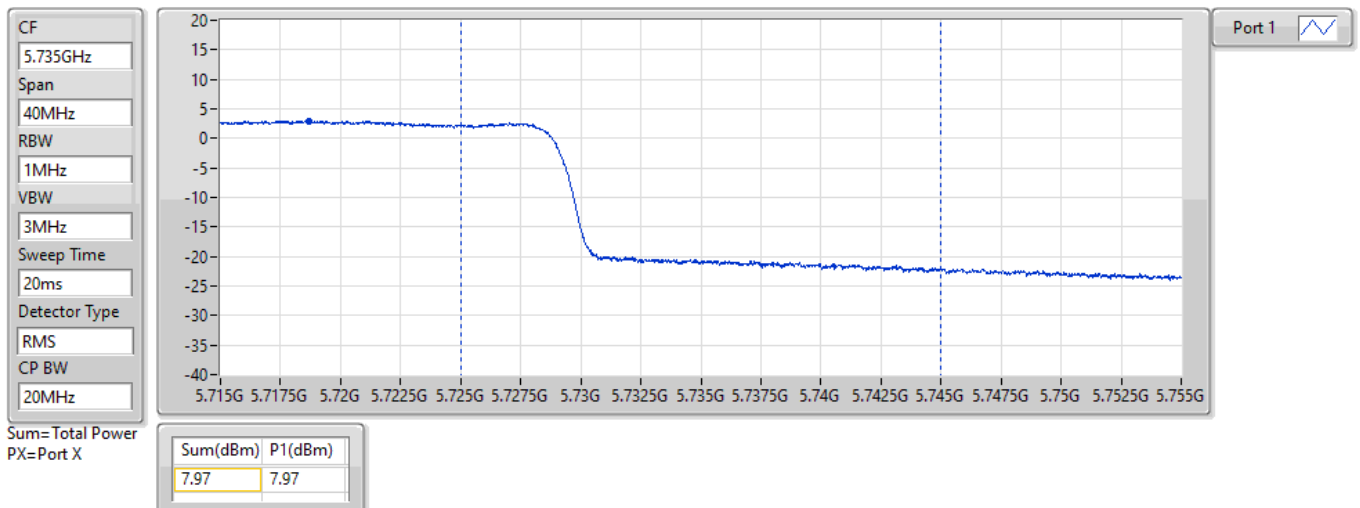


802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

30/07/2022

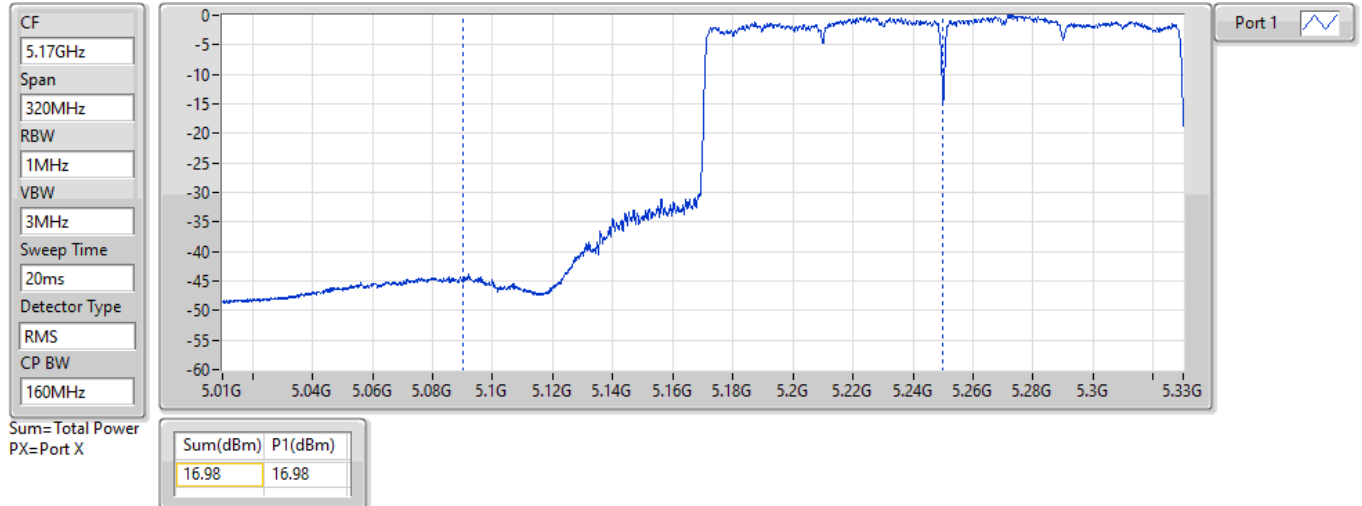


802.11ax HEW160_Nss1,(MCS0)_1TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

30/07/2022

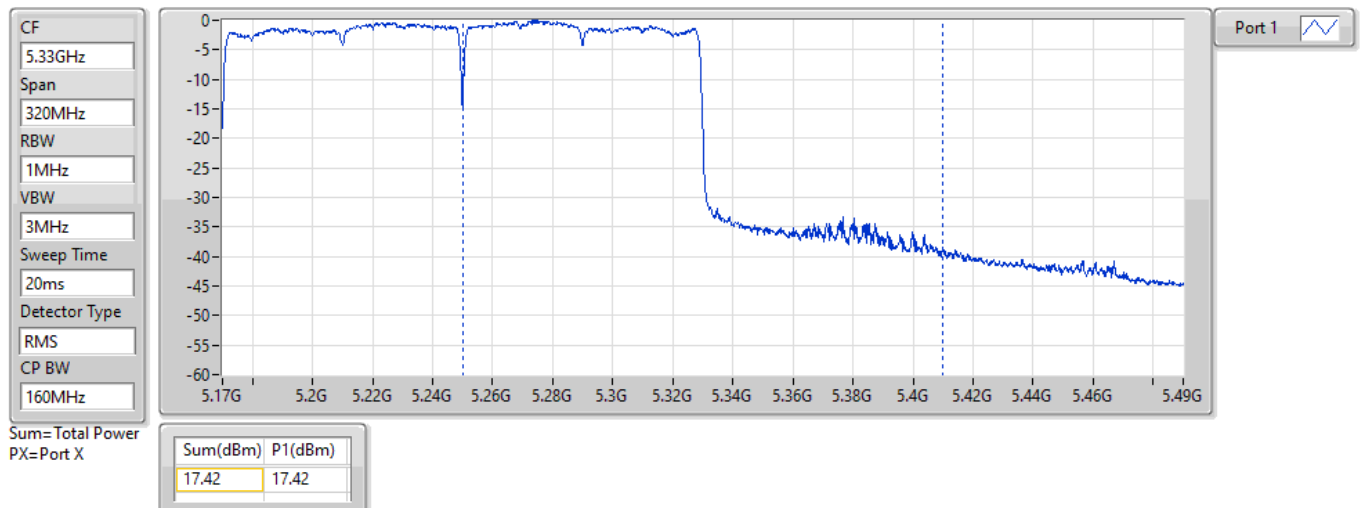


802.11ax HEW160_Nss1,(MCS0)_1TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

30/07/2022



Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.91	0.24604
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.86	0.24322
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	16.82	0.04808



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	1.60	20.53	20.91	23.73	23.98
5300MHz	Pass	1.60	20.67	21.02	23.86	23.98
5320MHz	Pass	1.60	20.67	21.12	23.91	23.98
5500MHz	Pass	0.70	20.69	20.84	23.78	23.98
5580MHz	Pass	0.70	20.76	20.93	23.86	23.98
5700MHz	Pass	0.70	17.24	17.33	20.30	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	0.70	19.92	20.11	23.03	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	0.50	13.80	13.81	16.82	30.00

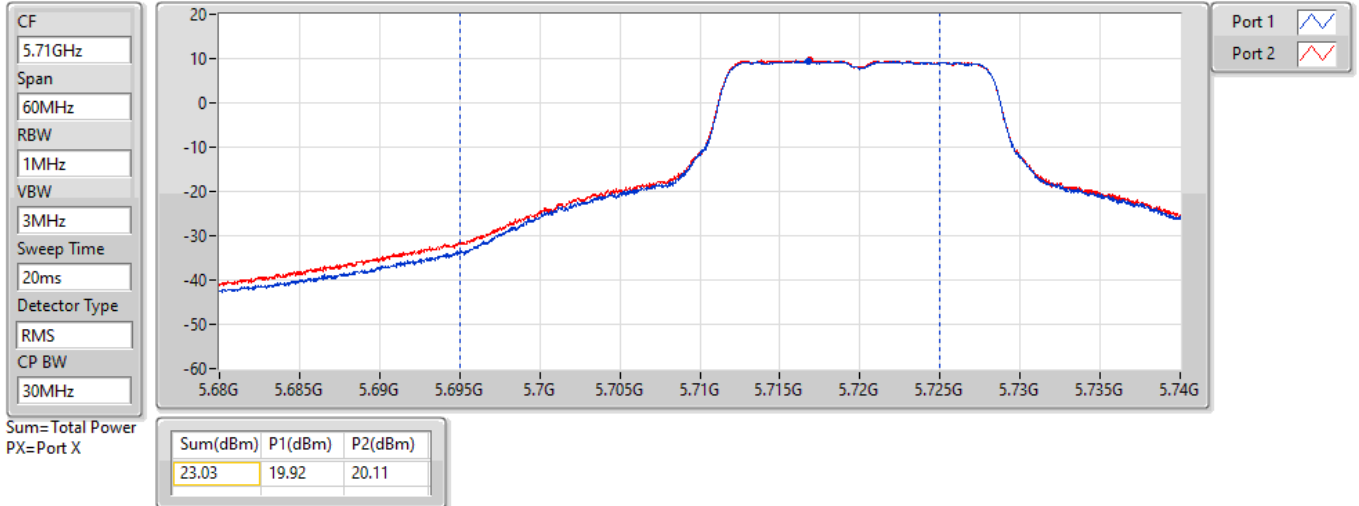
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

30/07/2022

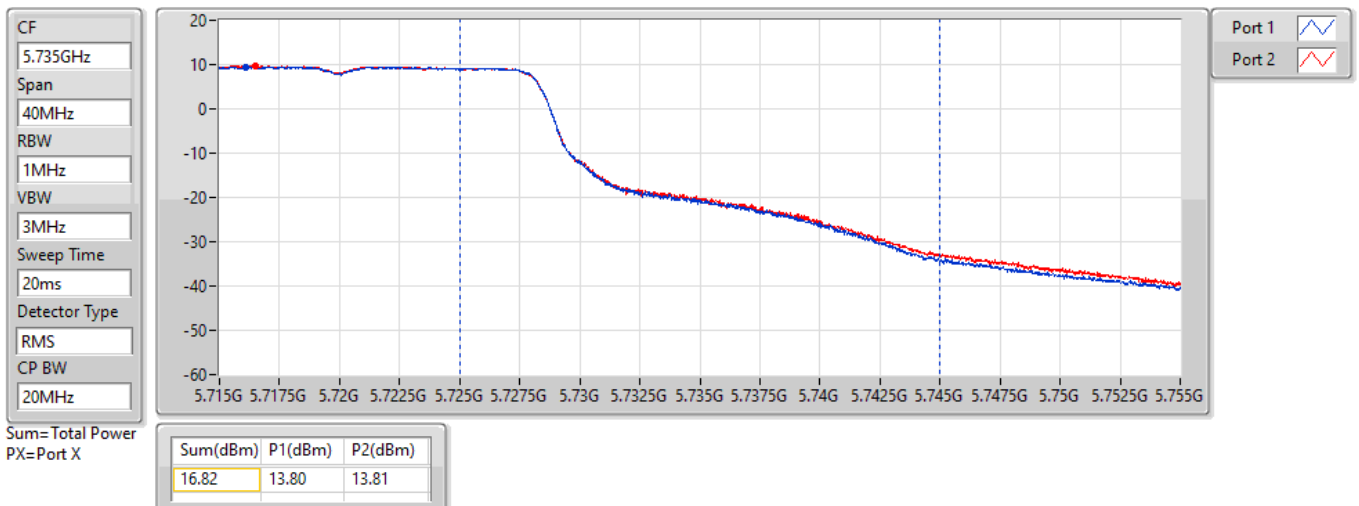


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

30/07/2022



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	17.26	0.05321
5.25-5.35GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	23.90	0.24547
802.11ax HEW40_Nss2,(MCS0)_2TX	23.90	0.24547
802.11ax HEW80_Nss2,(MCS0)_2TX	22.81	0.19099
802.11ax HEW160_Nss2,(MCS0)_2TX	17.90	0.06166
5.47-5.725GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	23.91	0.24604
802.11ax HEW40_Nss2,(MCS0)_2TX	23.95	0.24831
802.11ax HEW80_Nss2,(MCS0)_2TX	23.97	0.24946
802.11ax HEW160_Nss2,(MCS0)_2TX	18.81	0.07603
5.725-5.85GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	17.73	0.05929
802.11ax HEW40_Nss2,(MCS0)_2TX	13.43	0.02203
802.11ax HEW80_Nss2,(MCS0)_2TX	9.96	0.00991

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	1.04	20.74	21.02	23.89	23.98
5300MHz	Pass	1.04	20.67	21.09	23.90	23.98
5320MHz	Pass	1.04	20.45	21.01	23.75	23.98
5500MHz	Pass	0.41	20.77	21.00	23.90	23.98
5580MHz	Pass	0.41	20.76	21.04	23.91	23.98
5700MHz	Pass	0.41	17.25	17.17	20.22	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	0.41	19.95	20.15	23.06	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	0.40	14.73	14.71	17.73	30.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	1.04	20.48	21.26	23.90	23.98
5310MHz	Pass	1.04	19.95	20.81	23.41	23.98
5510MHz	Pass	0.41	20.83	21.05	23.95	23.98
5550MHz	Pass	0.41	20.76	20.77	23.78	23.98
5670MHz	Pass	0.41	20.23	20.84	23.56	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	0.41	19.99	20.71	23.38	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	0.40	10.23	10.61	13.43	30.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	1.04	19.55	20.03	22.81	23.98
5530MHz	Pass	0.41	20.70	20.97	23.85	23.98
5610MHz	Pass	0.41	21.01	20.90	23.97	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	0.41	20.86	20.69	23.79	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	0.40	7.41	6.44	9.96	30.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	0.64	14.01	14.47	17.26	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	1.04	14.37	15.35	17.90	23.98
5570MHz	Pass	0.41	15.11	16.39	18.81	23.98

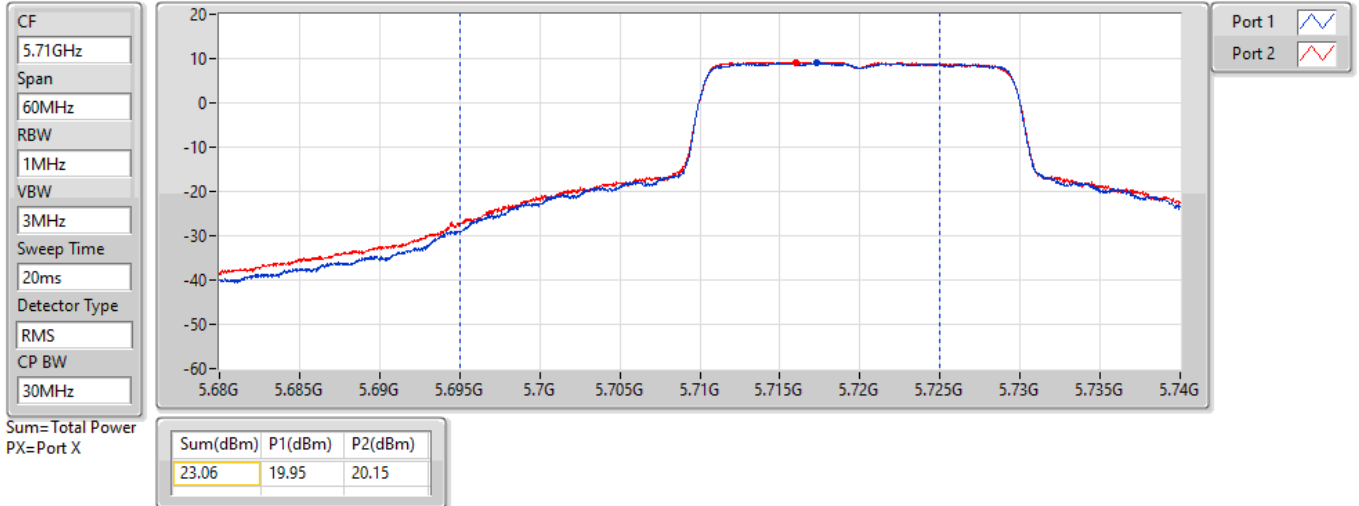
DG = Directional Gain; Port X = Port X output power

802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

30/07/2022

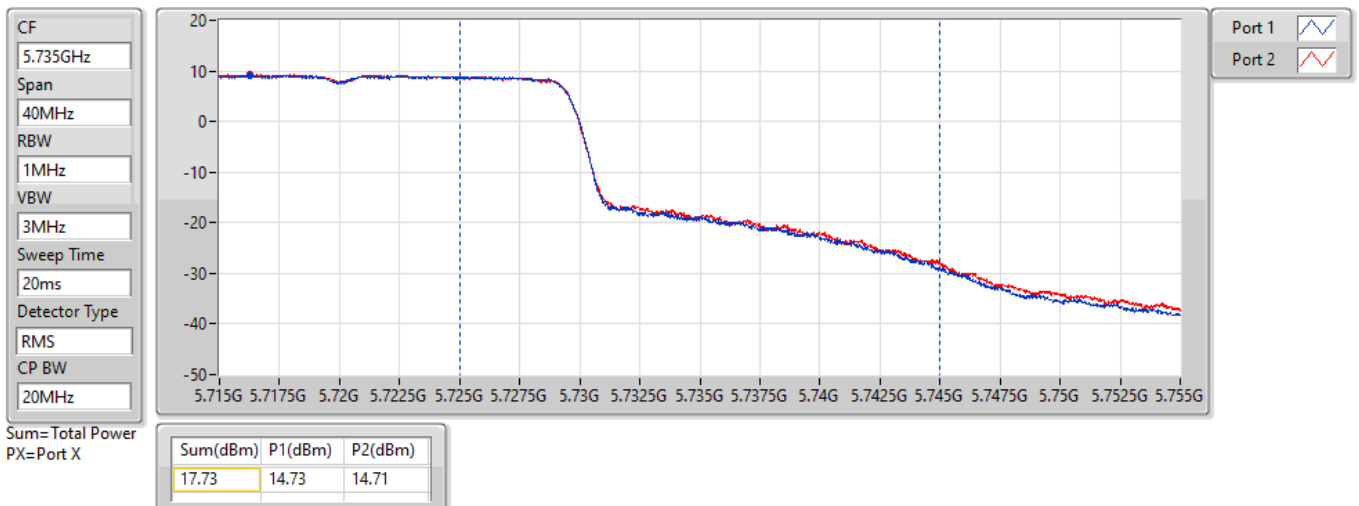


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

30/07/2022

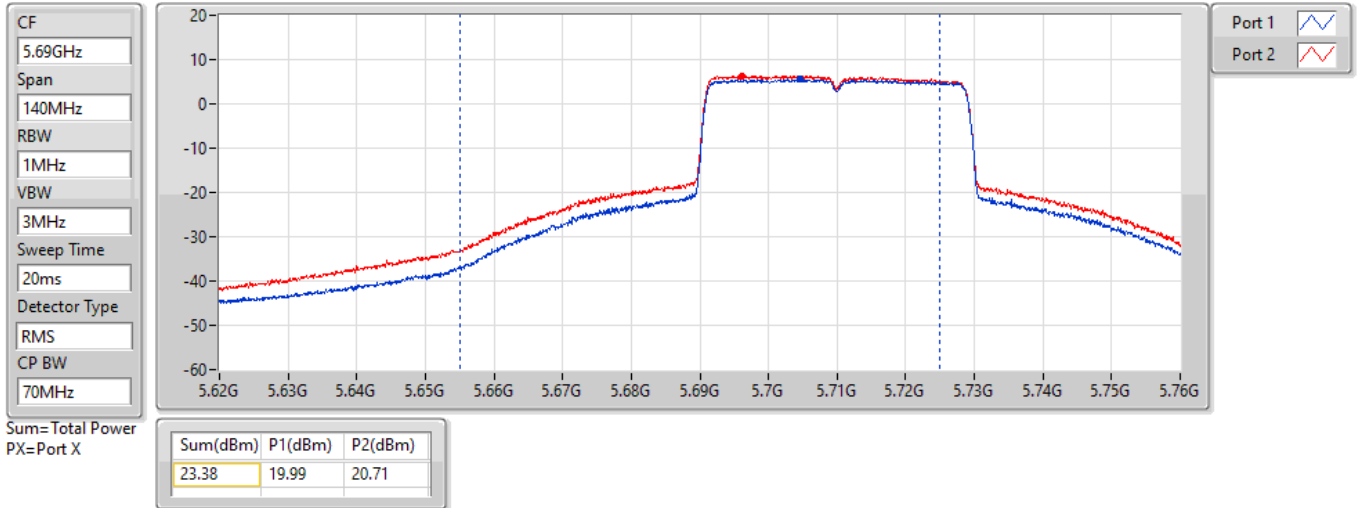


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

30/07/2022

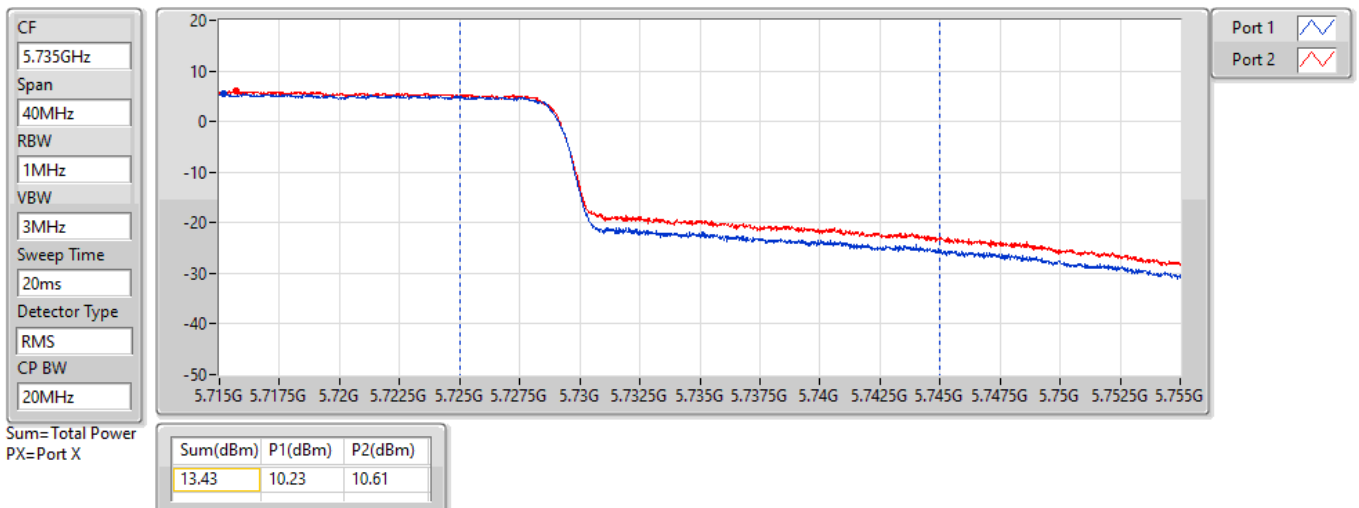


802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

30/07/2022



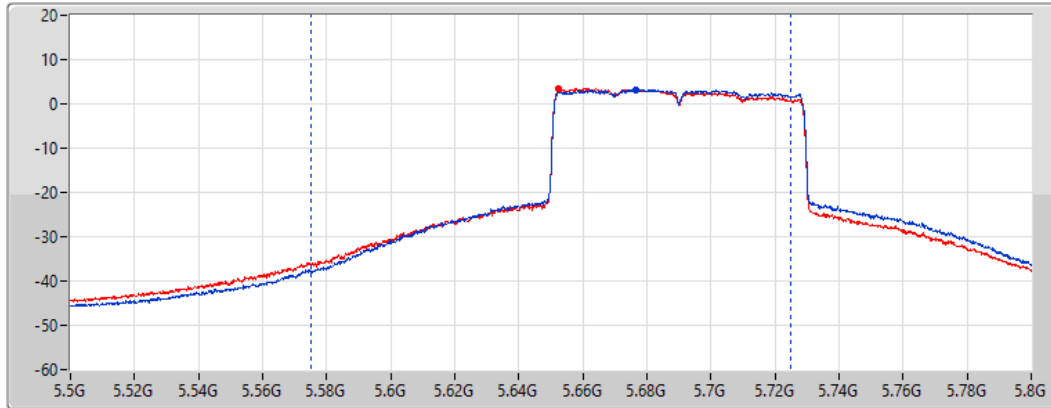
802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

30/07/2022

CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
150MHz



Port 1 
Port 2 

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
23.79	20.86	20.69

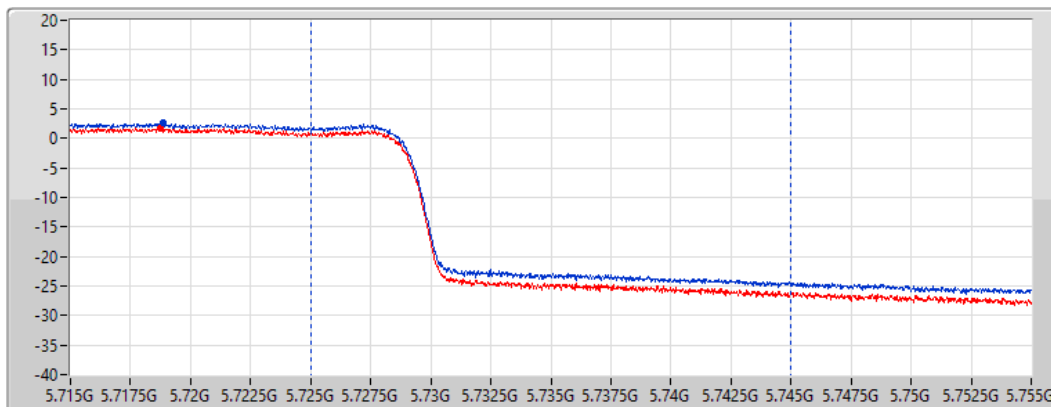
802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

30/07/2022

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1 
Port 2 

Sum= Total Power
PX=Port X

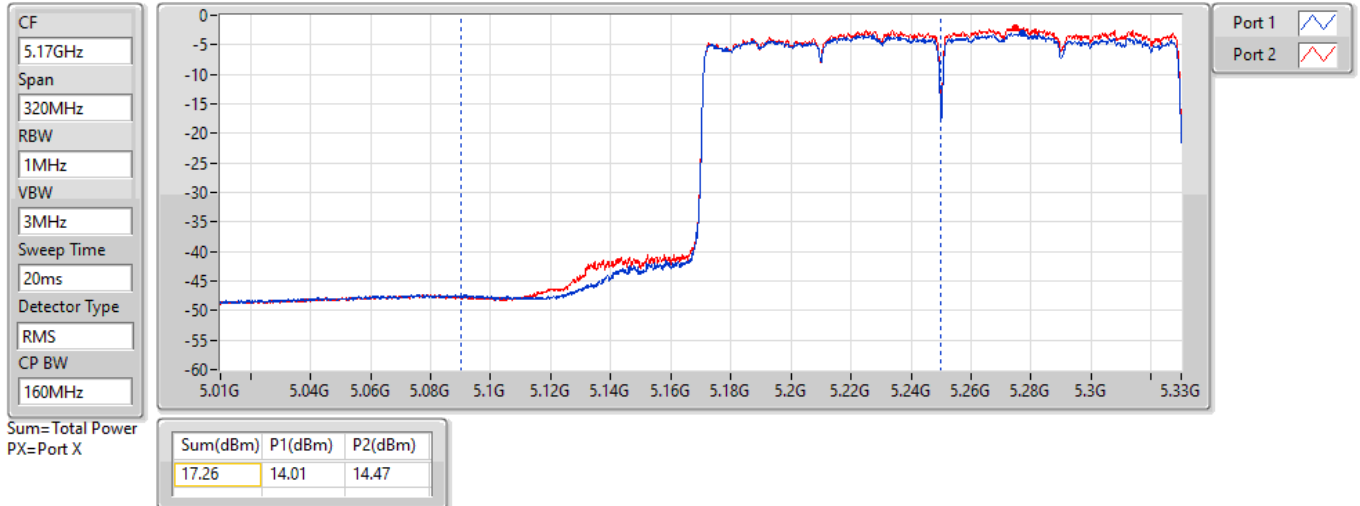
Sum(dBm)	P1(dBm)	P2(dBm)
9.96	7.41	6.44

802.11ax HEW160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

30/07/2022

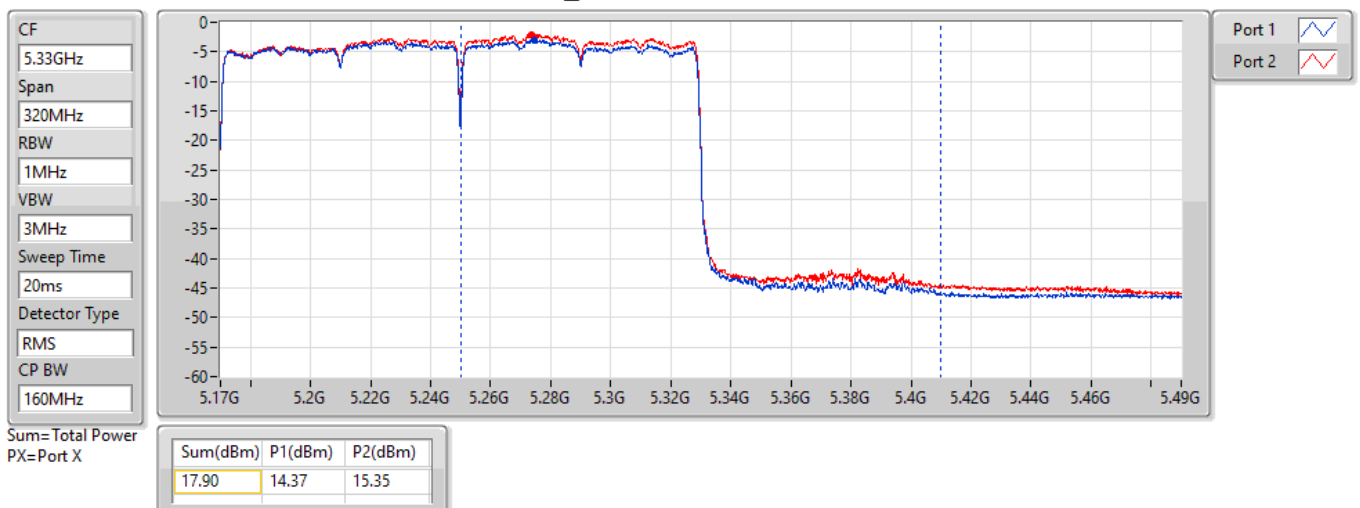


802.11ax HEW160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

30/07/2022





**Average Power_Set 4 antenna with 70 degree_R2_4T1S_
Non beamforming mode**

Appendix B.10

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	19.18	0.08279
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	22.78	0.18967
802.11ax HEW20_Nss1,(MCS0)_4TX	23.23	0.21038
802.11ax HEW40_Nss1,(MCS0)_4TX	23.97	0.24946
802.11ax HEW80_Nss1,(MCS0)_4TX	23.85	0.24266
802.11ax HEW160_Nss1,(MCS0)_4TX	19.74	0.09419
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.38	0.21777
802.11ax HEW20_Nss1,(MCS0)_4TX	23.72	0.23550
802.11ax HEW40_Nss1,(MCS0)_4TX	23.92	0.24660
802.11ax HEW80_Nss1,(MCS0)_4TX	23.87	0.24378
802.11ax HEW160_Nss1,(MCS0)_4TX	21.34	0.13614
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	15.95	0.03936
802.11ax HEW20_Nss1,(MCS0)_4TX	17.33	0.05408
802.11ax HEW40_Nss1,(MCS0)_4TX	13.17	0.02075
802.11ax HEW80_Nss1,(MCS0)_4TX	10.11	0.01026



**Average Power_Set 4 antenna with 70 degree_R2_4T1S_
Non beamforming mode**

Appendix B.10

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	1.60	16.42	16.44	16.42	16.59	22.49	23.98
5300MHz	Pass	1.60	16.40	16.61	16.39	16.77	22.57	23.98
5320MHz	Pass	1.60	16.44	16.90	16.87	16.83	22.78	23.98
5500MHz	Pass	1.40	17.41	17.37	17.13	17.32	23.33	23.98
5580MHz	Pass	1.40	17.44	17.31	17.18	17.20	23.30	23.98
5700MHz	Pass	1.40	17.20	17.42	17.25	17.57	23.38	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	1.40	16.08	16.11	16.12	16.25	22.16	22.94
5720MHz Straddle 5.725-5.85GHz	Pass	1.70	9.99	9.78	9.73	10.21	15.95	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	1.60	17.08	17.40	17.16	17.21	23.23	23.98
5300MHz	Pass	1.60	17.07	17.22	17.05	17.33	23.19	23.98
5320MHz	Pass	1.60	16.99	17.34	17.28	17.22	23.23	23.98
5500MHz	Pass	1.40	17.78	17.83	17.57	17.60	23.72	23.98
5580MHz	Pass	1.40	17.71	17.70	17.51	17.66	23.67	23.98
5700MHz	Pass	1.40	16.81	16.73	16.70	16.94	22.82	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	1.40	16.54	16.54	16.58	16.66	22.60	22.99
5720MHz Straddle 5.725-5.85GHz	Pass	1.70	11.28	11.09	11.34	11.51	17.33	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	1.60	17.75	18.09	17.99	17.94	23.96	23.98
5310MHz	Pass	1.60	17.60	18.14	17.95	18.10	23.97	23.98
5510MHz	Pass	1.40	17.88	17.69	17.83	18.17	23.92	23.98
5550MHz	Pass	1.40	17.84	17.55	17.84	18.14	23.87	23.98
5670MHz	Pass	1.40	17.73	17.84	17.57	17.75	23.74	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	1.40	17.09	17.18	16.69	17.05	23.03	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	1.70	7.23	6.99	6.95	7.41	13.17	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	1.60	17.90	17.81	17.57	18.04	23.85	23.98
5530MHz	Pass	1.40	17.74	17.78	17.79	17.87	23.82	23.98
5610MHz	Pass	1.40	17.99	17.85	17.60	17.94	23.87	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	1.40	17.86	17.63	17.70	18.04	23.83	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	1.70	4.22	3.26	4.19	4.58	10.11	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	1.20	12.62	12.94	13.39	13.62	19.18	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	1.60	13.07	13.83	13.89	14.02	19.74	23.98
5570MHz	Pass	1.40	14.68	15.87	14.86	15.74	21.34	23.98

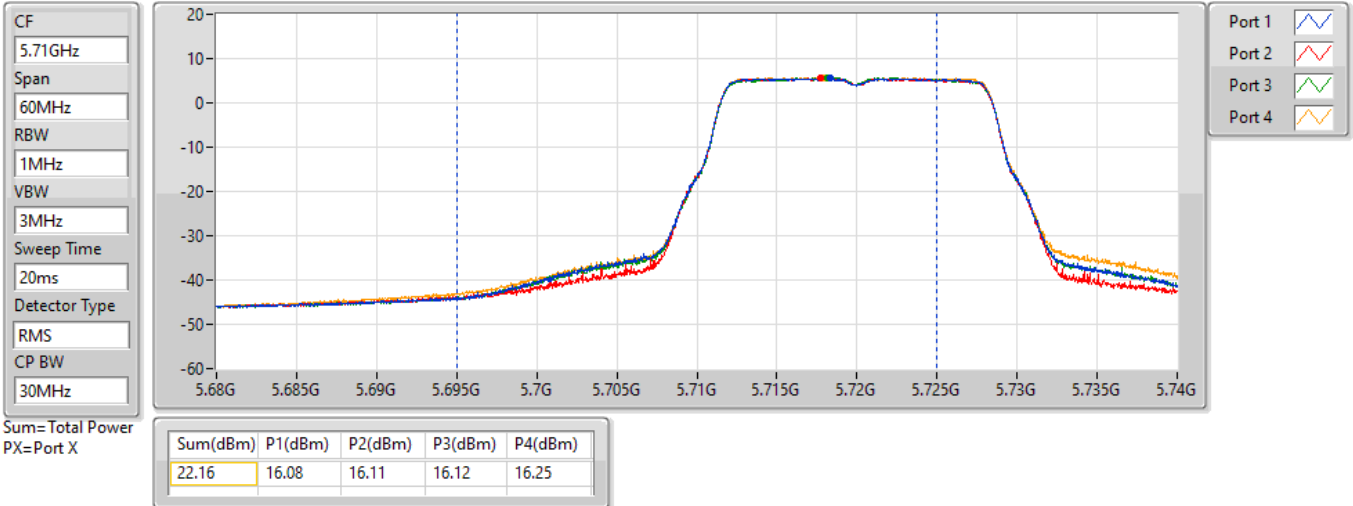
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/09/2022

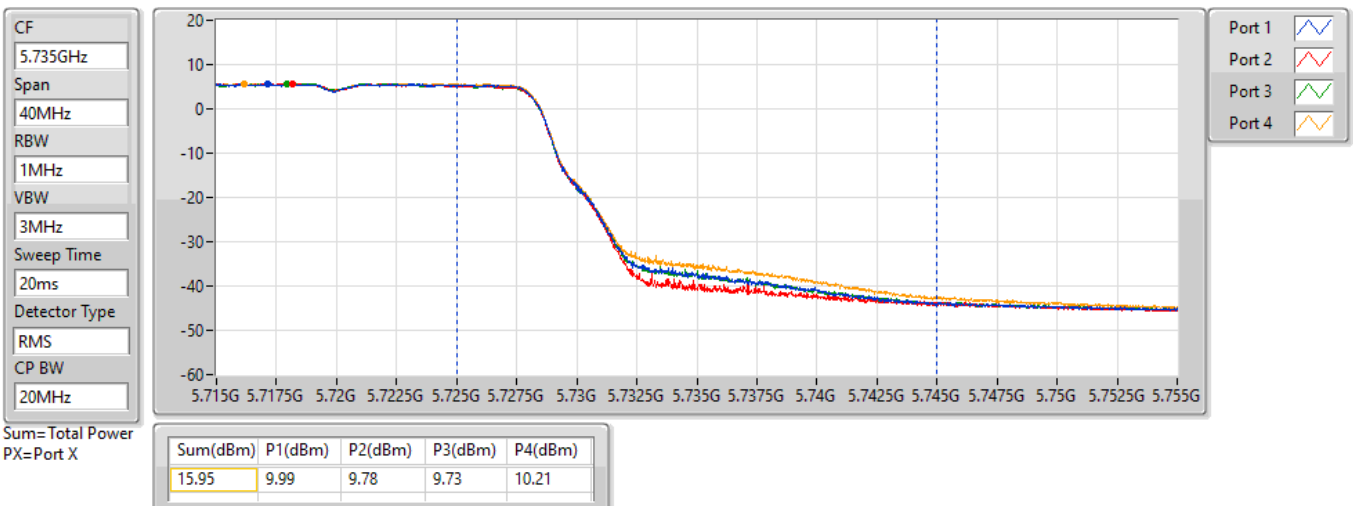


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/09/2022

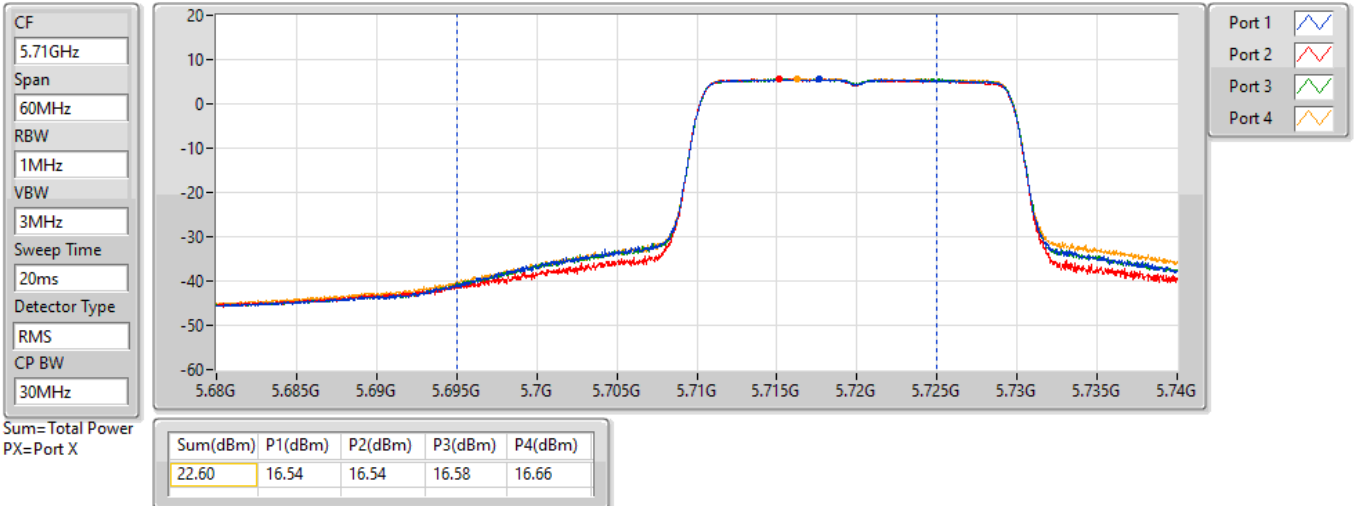


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/09/2022

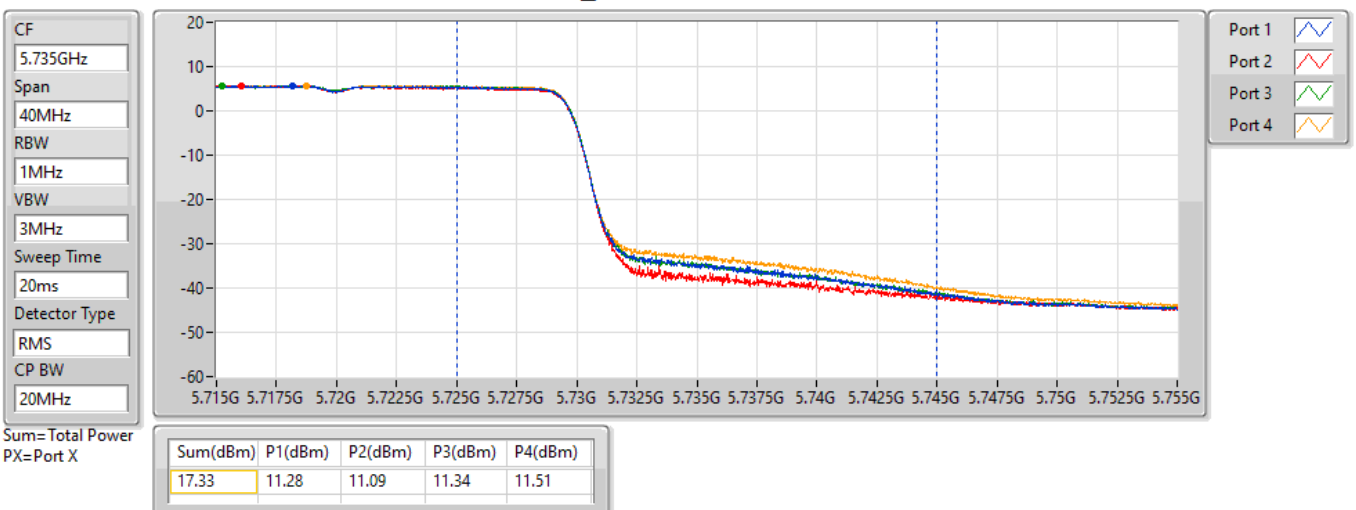


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/09/2022



802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

30/07/2022

CF
5.69GHz

Span
140MHz

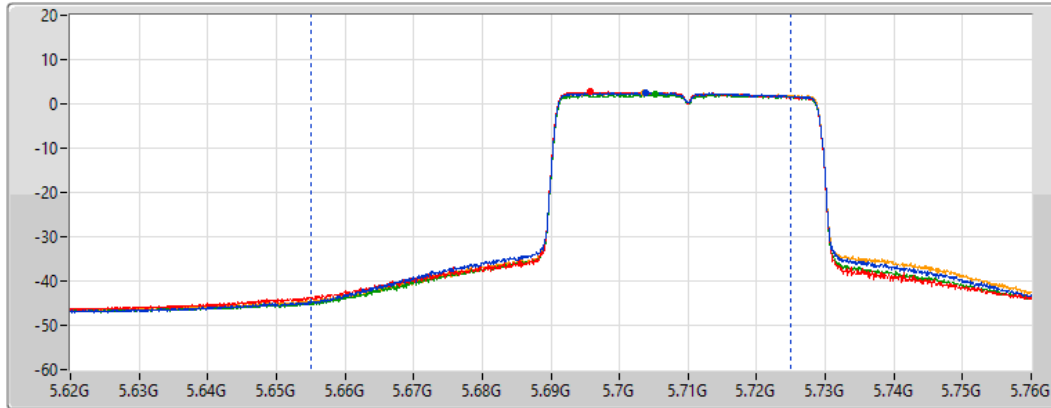
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
70MHz



Port 1 

Port 2 

Port 3 

Port 4 

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.03	17.09	17.18	16.69	17.05

802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

30/07/2022

CF
5.735GHz

Span
40MHz

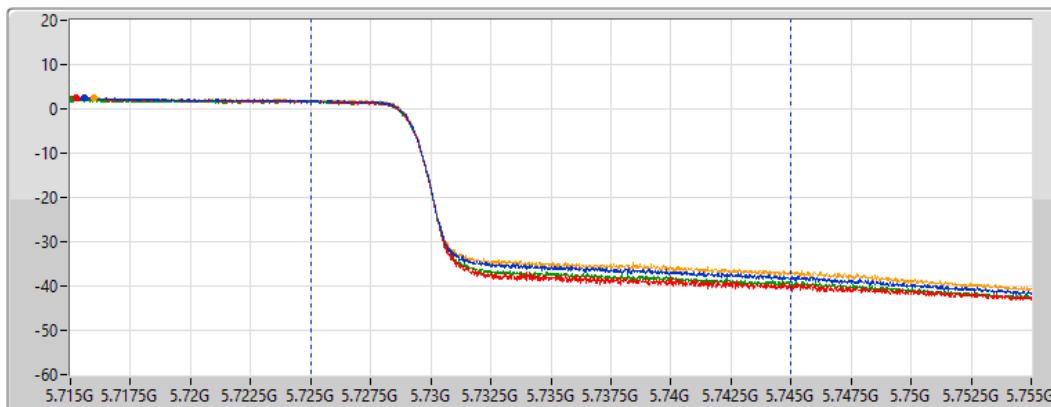
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1 

Port 2 

Port 3 

Port 4 

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.17	7.23	6.99	6.95	7.41

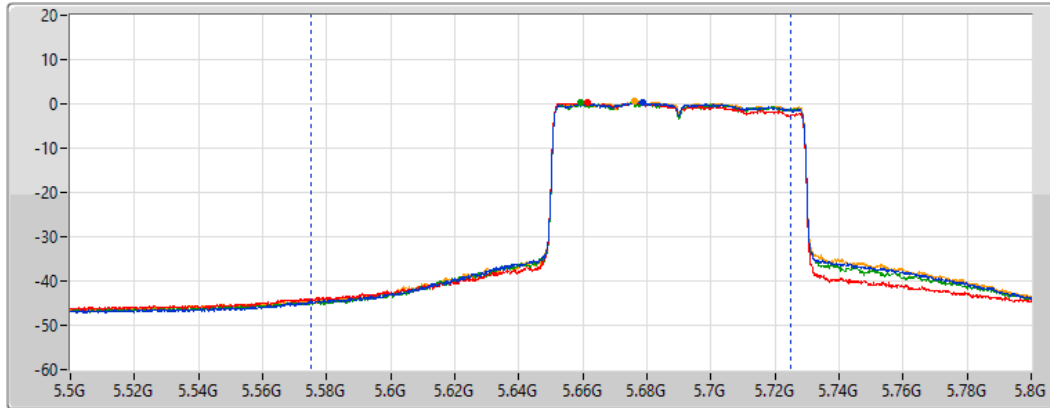
802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

30/07/2022

CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
150MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.83	17.86	17.63	17.70	18.04

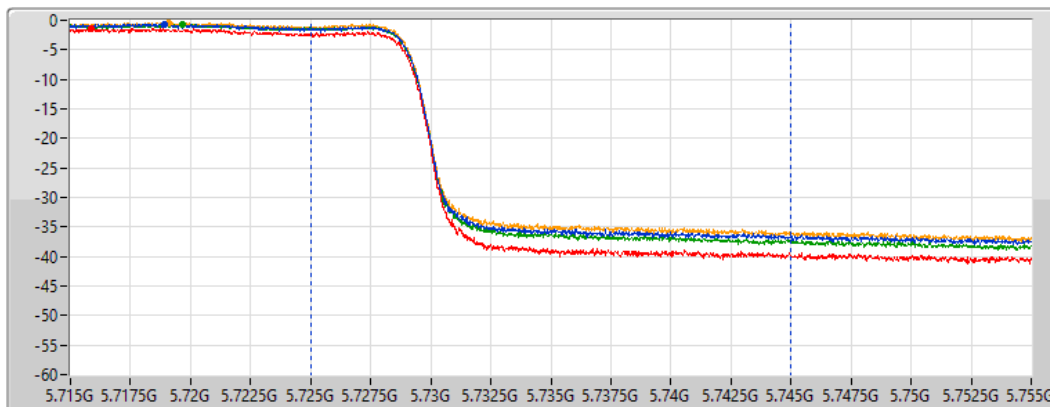
802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

30/07/2022

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

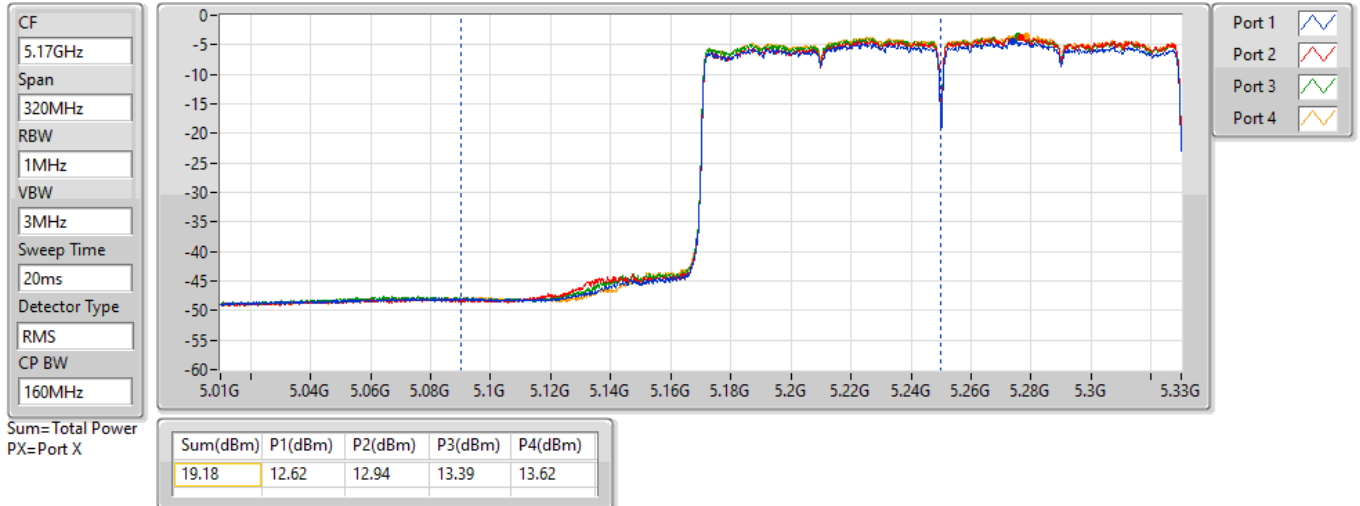
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.11	4.22	3.26	4.19	4.58

802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

30/07/2022

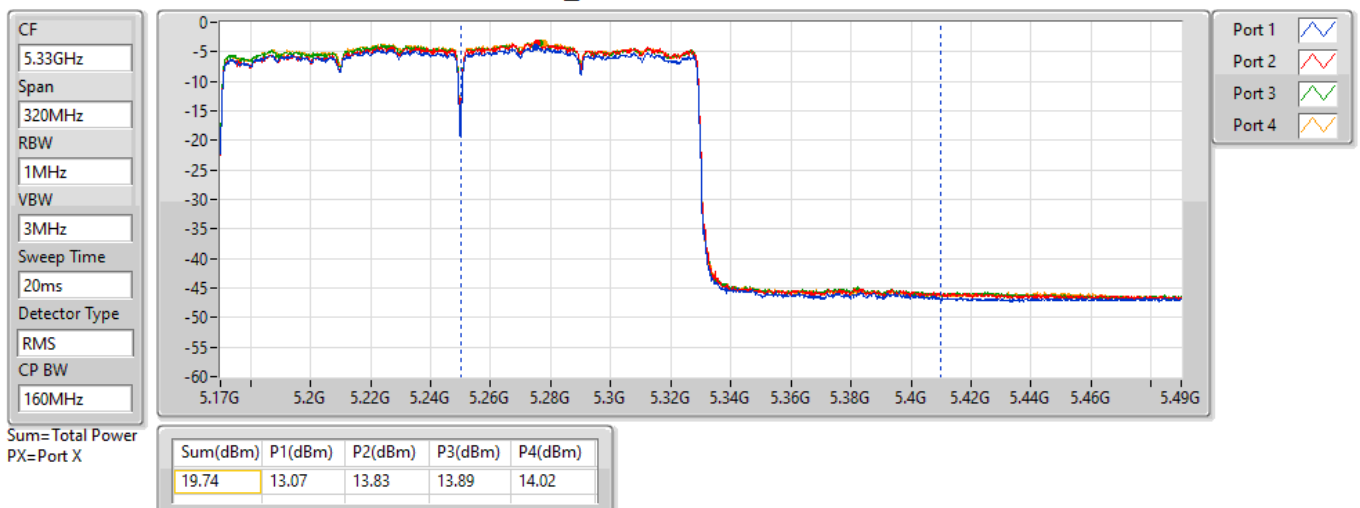


802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

30/07/2022





Average Power_Set 4 antenna with 70 degree_R2_4T1S_
Beamforming mode

Appendix B.11

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	19.18	0.08279
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.66	0.18450
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	22.56	0.18030
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.69	0.18578
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	19.74	0.09419
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.12	0.20512
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.14	0.20606
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.11	0.20464
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	21.34	0.13614
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.33	0.05408
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	13.17	0.02075
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	9.34	0.00859



Average Power_Set 4 antenna with 70 degree_R2_4T1S_
Beamforming mode

Appendix B.11

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.26	16.34	16.66	16.46	16.44	22.50	22.72
5300MHz	Pass	7.26	16.25	16.85	16.42	16.67	22.57	22.72
5320MHz	Pass	7.26	16.39	16.80	16.61	16.73	22.66	22.72
5500MHz	Pass	6.78	16.89	17.06	17.06	17.05	23.04	23.20
5580MHz	Pass	6.78	17.07	17.32	16.89	17.10	23.12	23.20
5700MHz	Pass	6.78	16.81	16.73	16.7	16.94	22.82	23.20
5720MHz Straddle 5.47-5.725GHz	Pass	6.78	16.54	16.54	16.58	16.66	22.60	23.20
5720MHz Straddle 5.725-5.85GHz	Pass	6.99	11.28	11.09	11.34	11.51	17.33	29.01
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.26	16.41	16.76	16.49	16.34	22.52	22.72
5310MHz	Pass	7.26	16.28	16.78	16.52	16.56	22.56	22.72
5510MHz	Pass	6.78	17.18	16.87	17.13	17.30	23.14	23.20
5550MHz	Pass	6.78	17.00	17.14	16.96	17.15	23.08	23.20
5670MHz	Pass	6.78	16.93	17.14	16.88	16.97	23.00	23.20
5710MHz Straddle 5.47-5.725GHz	Pass	6.78	17.09	17.18	16.69	17.05	23.03	23.20
5710MHz Straddle 5.725-5.85GHz	Pass	6.99	7.23	6.99	6.95	7.41	13.17	29.01
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.26	16.46	16.66	16.78	16.76	22.69	22.72
5530MHz	Pass	6.78	16.82	16.96	17.04	17.16	23.02	23.20
5610MHz	Pass	6.78	17.03	17.14	16.94	17.23	23.11	23.20
5690MHz Straddle 5.47-5.725GHz	Pass	6.78	17.12	16.96	16.85	17.16	23.04	23.20
5690MHz Straddle 5.725-5.85GHz	Pass	6.99	3.51	2.52	3.49	3.67	9.34	29.01
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.86	12.62	12.94	13.39	13.62	19.18	29.14
5250MHz Straddle 5.25-5.35GHz	Pass	7.26	13.07	13.83	13.89	14.02	19.74	22.72
5570MHz	Pass	6.78	14.68	15.87	14.86	15.74	21.34	23.20

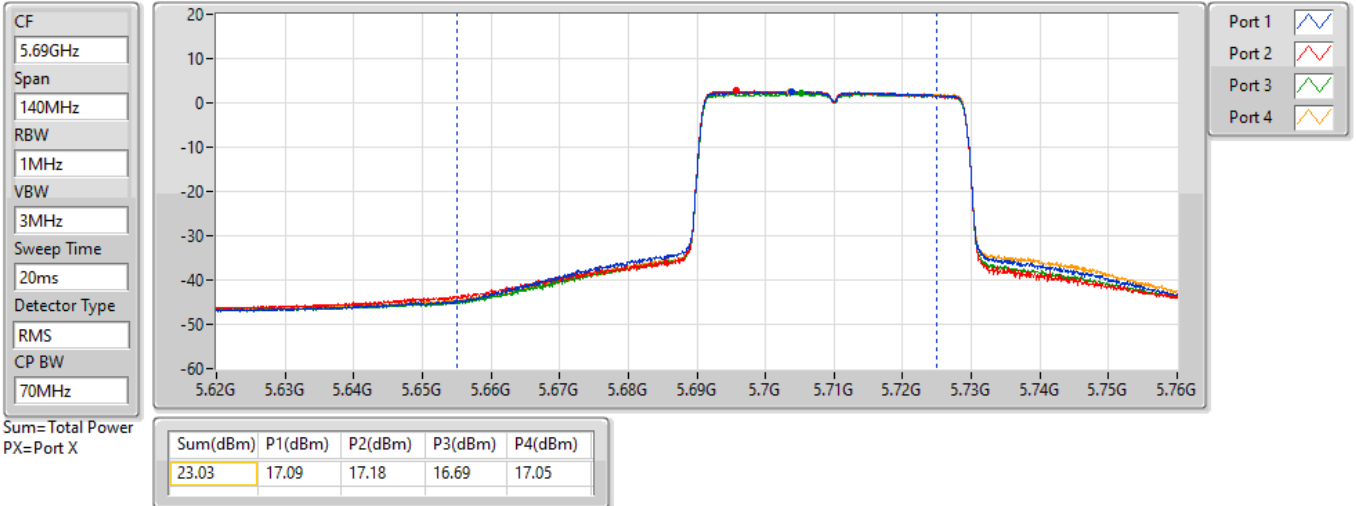
DG = Directional Gain; Port X = Port X output power

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

30/07/2022

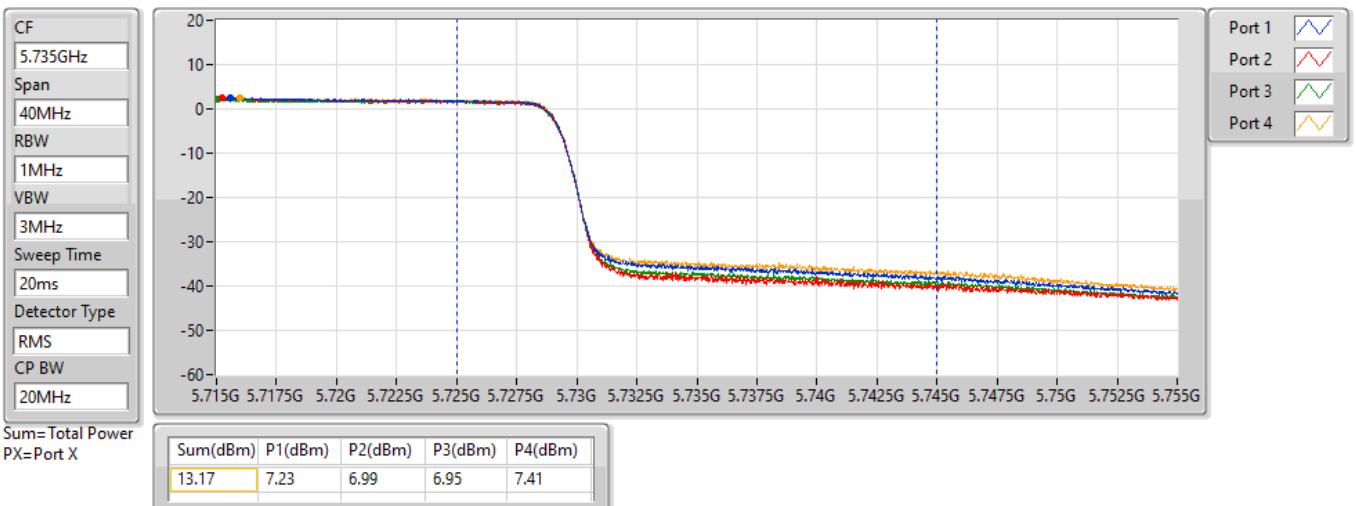


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

30/07/2022

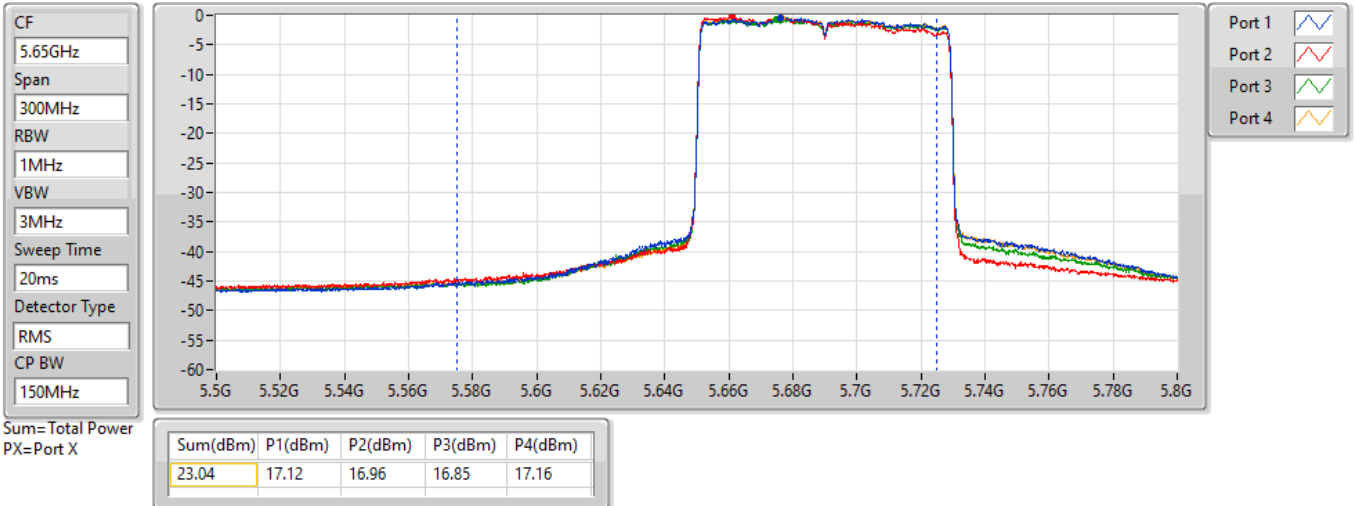


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

01/08/2022

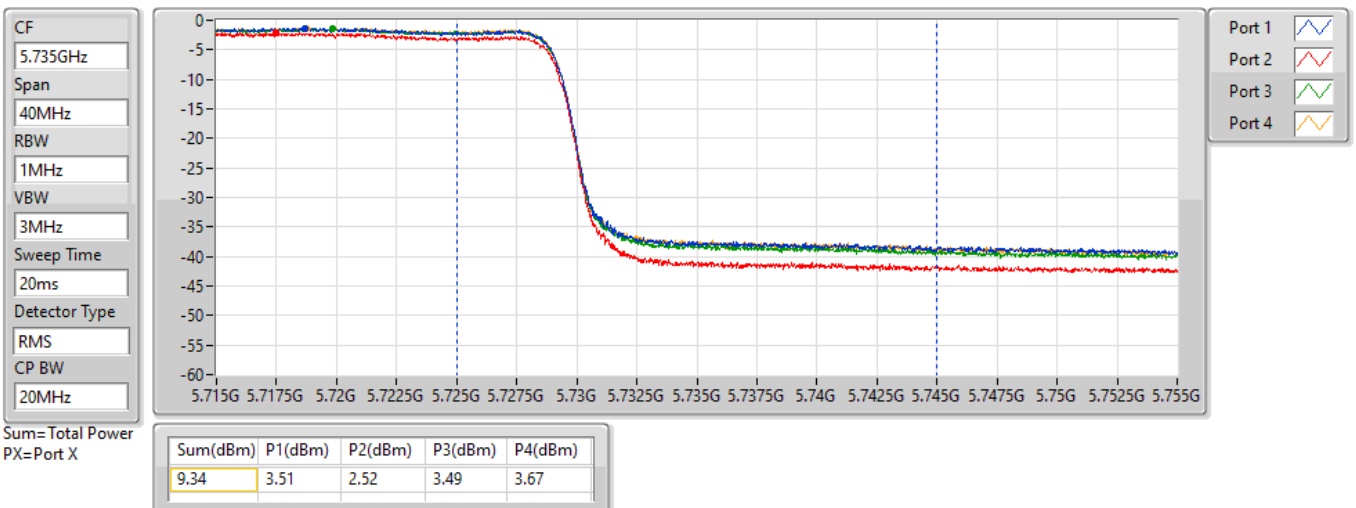


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

01/08/2022

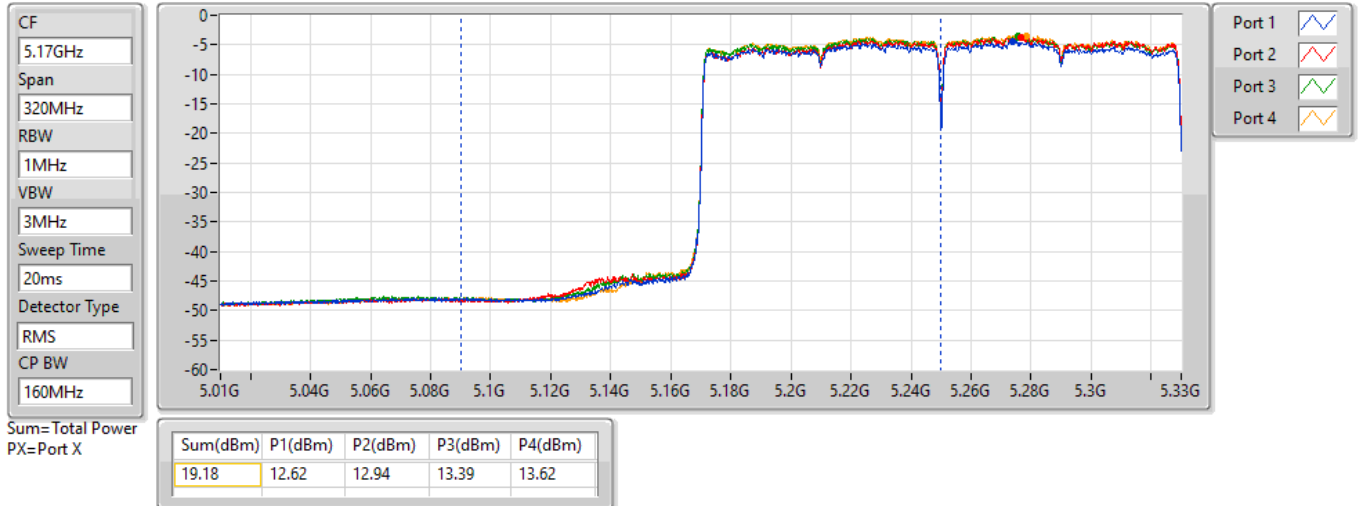


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

30/07/2022

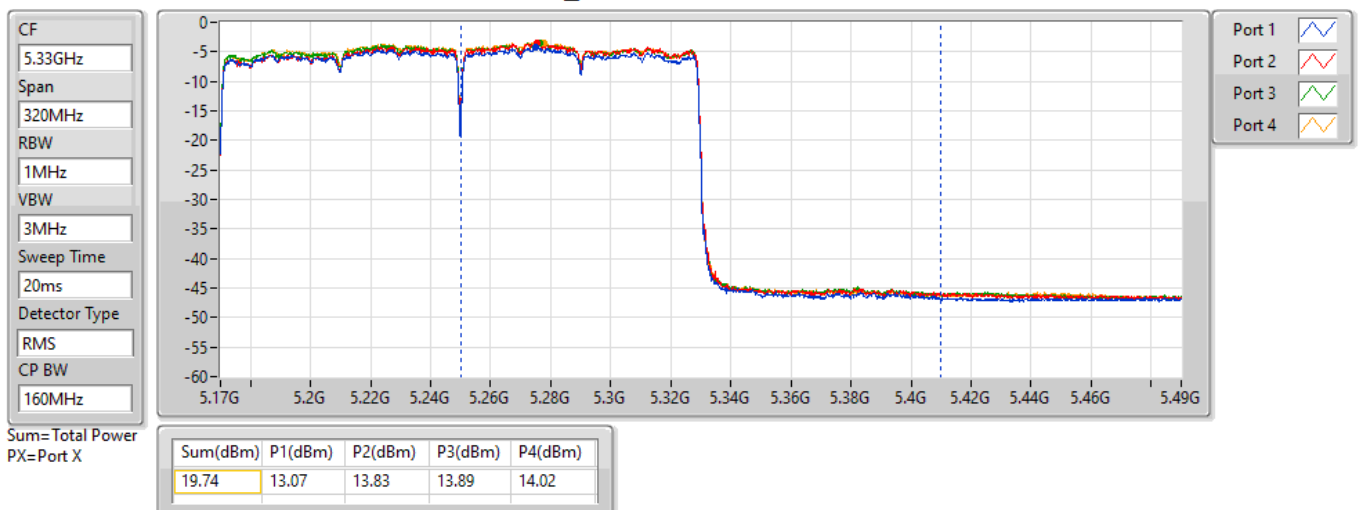


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

30/07/2022



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	18.74	0.07482
5.25-5.35GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	23.94	0.24774
802.11ax HEW40_Nss4,(MCS0)_4TX	23.88	0.24434
802.11ax HEW80_Nss4,(MCS0)_4TX	23.75	0.23714
802.11ax HEW160_Nss4,(MCS0)_4TX	19.23	0.08375
5.47-5.725GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	23.81	0.24044
802.11ax HEW40_Nss4,(MCS0)_4TX	23.94	0.24774
802.11ax HEW80_Nss4,(MCS0)_4TX	23.88	0.24434
802.11ax HEW160_Nss4,(MCS0)_4TX	20.60	0.11482
5.725-5.85GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	17.51	0.05636
802.11ax HEW40_Nss4,(MCS0)_4TX	14.09	0.02564
802.11ax HEW80_Nss4,(MCS0)_4TX	10.18	0.01042

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	1.25	17.80	18.05	18.07	17.74	23.94	23.98
5300MHz	Pass	1.25	17.52	17.79	17.89	17.77	23.77	23.98
5320MHz	Pass	1.25	17.54	17.87	17.90	17.71	23.78	23.98
5500MHz	Pass	0.77	17.83	17.97	17.68	17.67	23.81	23.98
5580MHz	Pass	0.77	17.79	17.85	17.61	17.62	23.74	23.98
5700MHz	Pass	0.77	17.08	16.97	16.92	17.15	23.05	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	0.77	16.71	16.77	16.68	16.85	22.77	22.97
5720MHz Straddle 5.725-5.85GHz	Pass	0.99	11.46	11.30	11.45	11.72	17.51	30.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	1.25	17.53	18.12	17.87	17.83	23.86	23.98
5310MHz	Pass	1.25	17.57	18.05	17.94	17.86	23.88	23.98
5510MHz	Pass	0.77	18.09	17.79	17.66	17.75	23.85	23.98
5550MHz	Pass	0.77	17.88	17.66	17.97	18.09	23.92	23.98
5670MHz	Pass	0.77	17.70	18.02	17.60	17.90	23.83	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	0.77	17.87	18.26	17.74	17.77	23.94	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	0.99	7.99	8.11	8.01	8.16	14.09	30.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	1.25	17.59	17.66	17.81	17.85	23.75	23.98
5530MHz	Pass	0.77	17.58	17.95	17.75	17.92	23.82	23.98
5610MHz	Pass	0.77	17.94	17.76	17.91	17.48	23.80	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	0.77	17.95	17.69	17.87	17.92	23.88	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	0.99	4.34	3.30	4.41	4.48	10.18	30.00
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	0.85	12.15	12.52	13.07	13.08	18.74	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	1.25	12.50	13.36	13.44	13.47	19.23	23.98
5570MHz	Pass	0.77	13.90	15.11	14.34	14.88	20.60	23.98

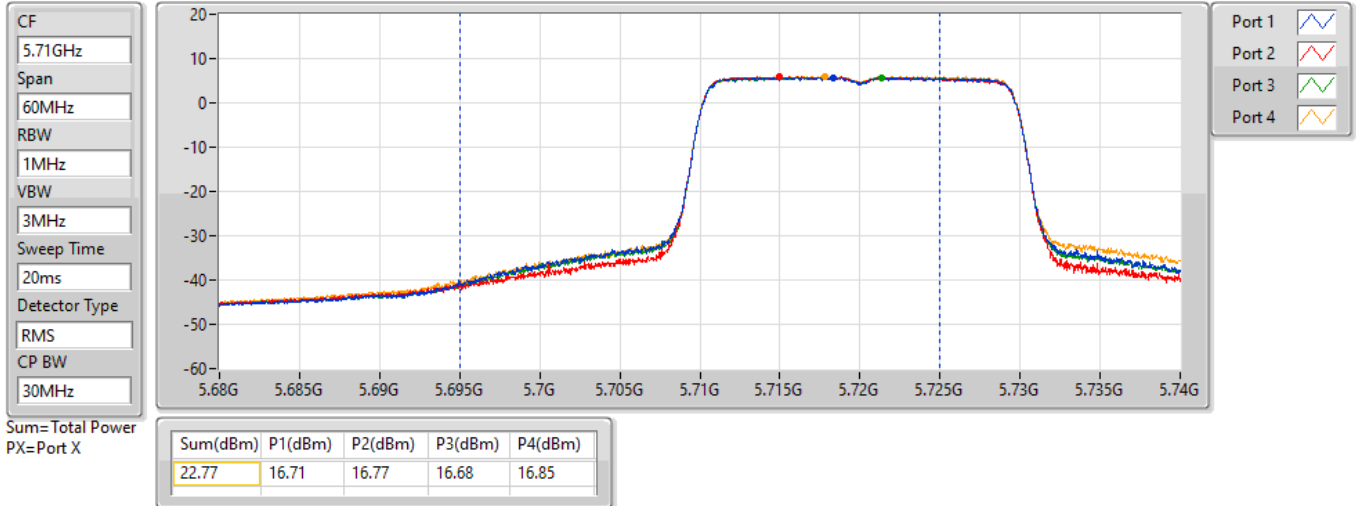
DG = Directional Gain; Port X = Port X output power

802.11ax HEW20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/09/2022

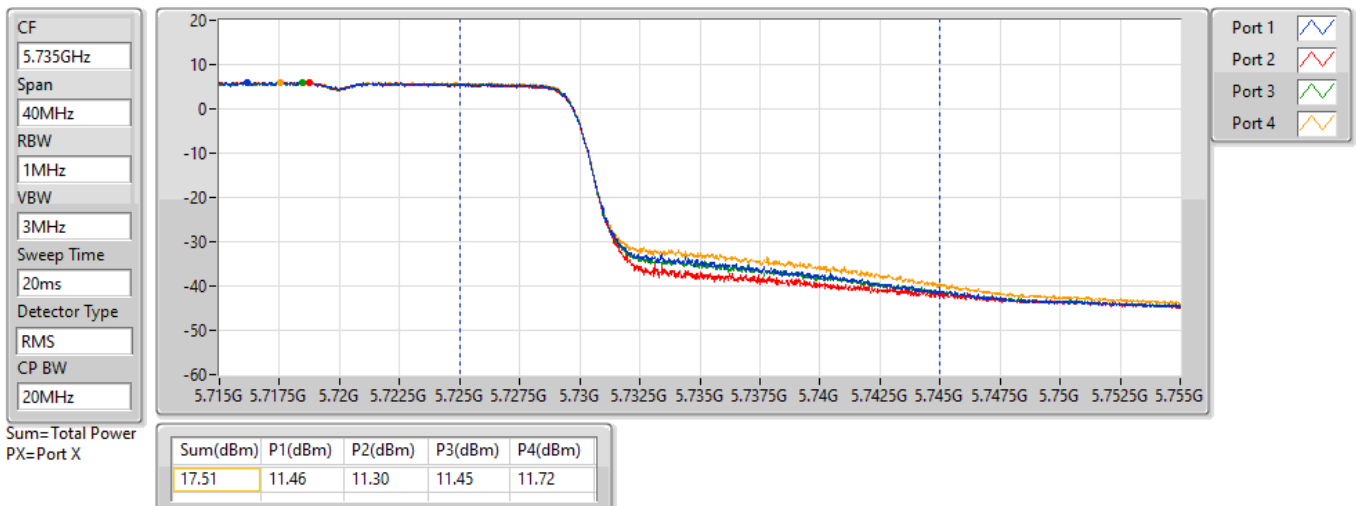


802.11ax HEW20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/09/2022



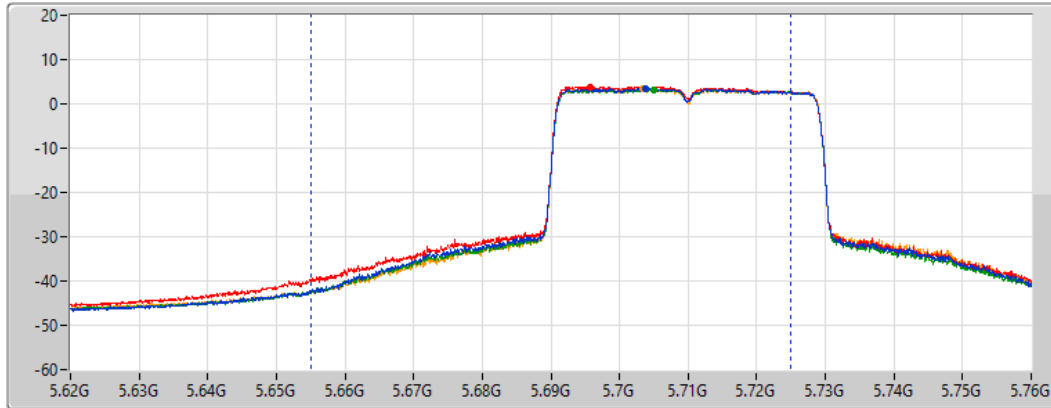
802.11ax HEW40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

02/08/2022

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
70MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.94	17.87	18.26	17.74	17.77

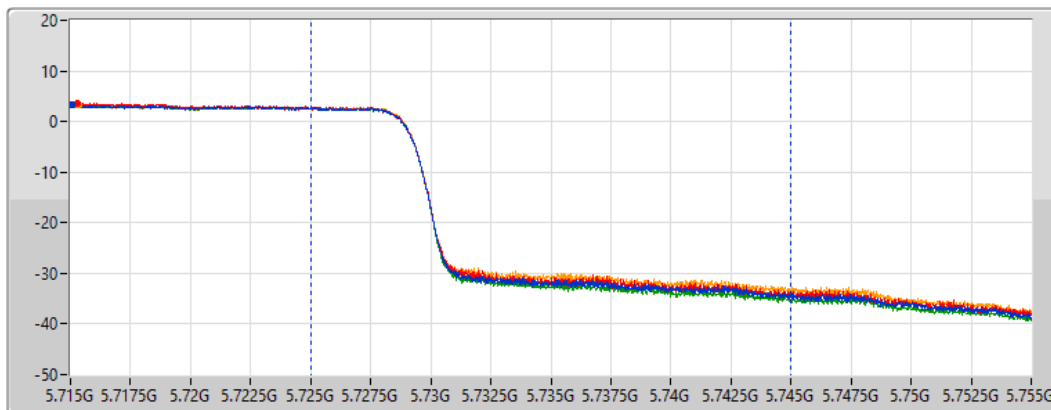
802.11ax HEW40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

02/08/2022

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.09	7.99	8.11	8.01	8.16

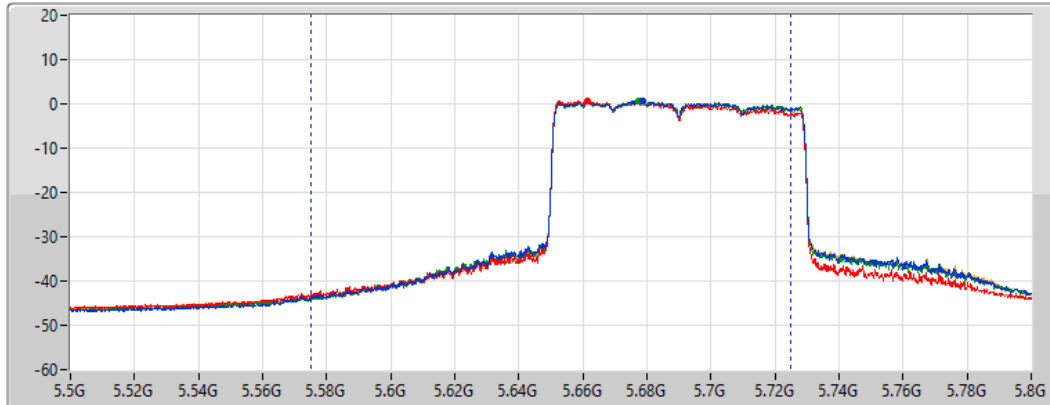
802.11ax HEW80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

02/08/2022

CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
150MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.88	17.95	17.69	17.87	17.92

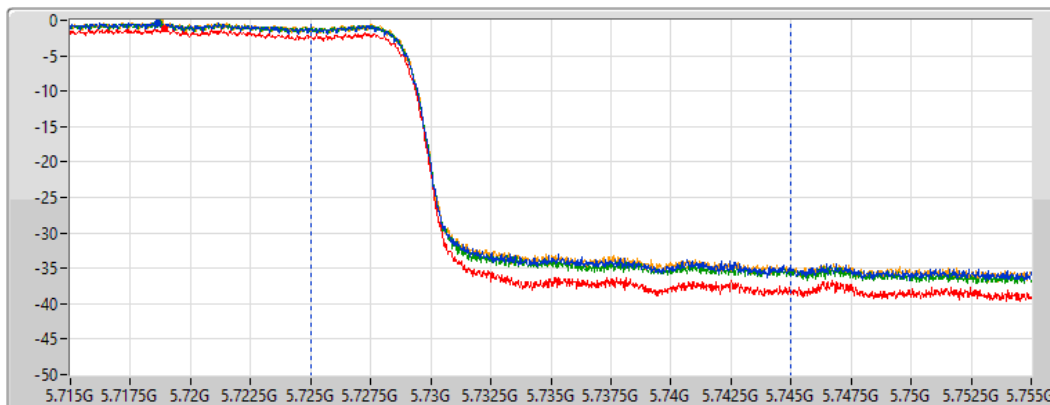
802.11ax HEW80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

02/08/2022

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

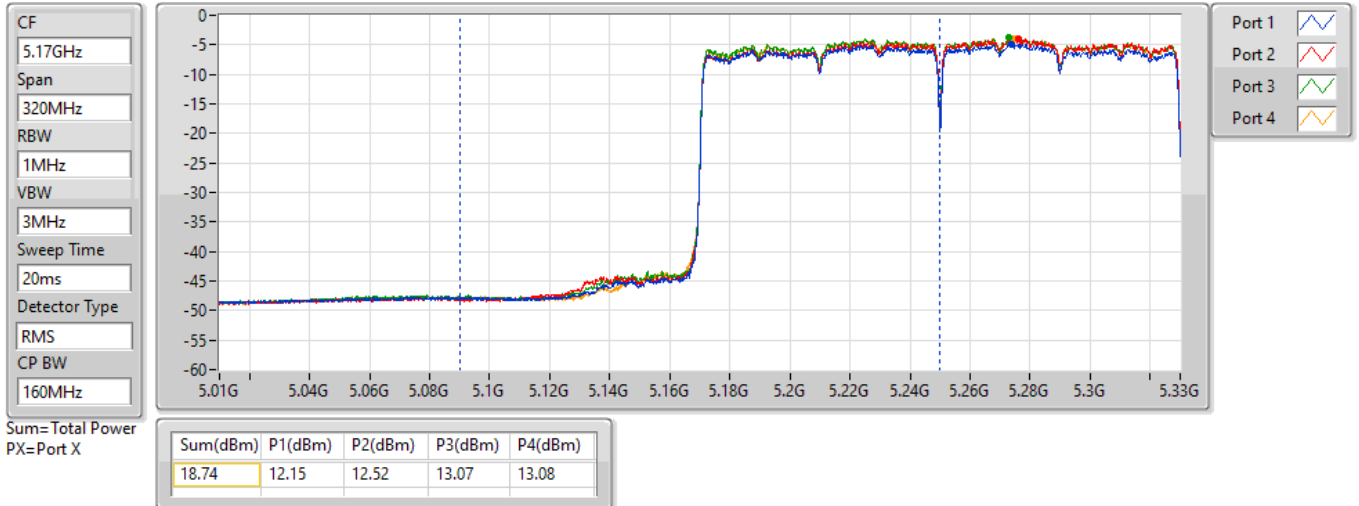
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.18	4.34	3.30	4.41	4.48

802.11ax HEW160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

02/08/2022

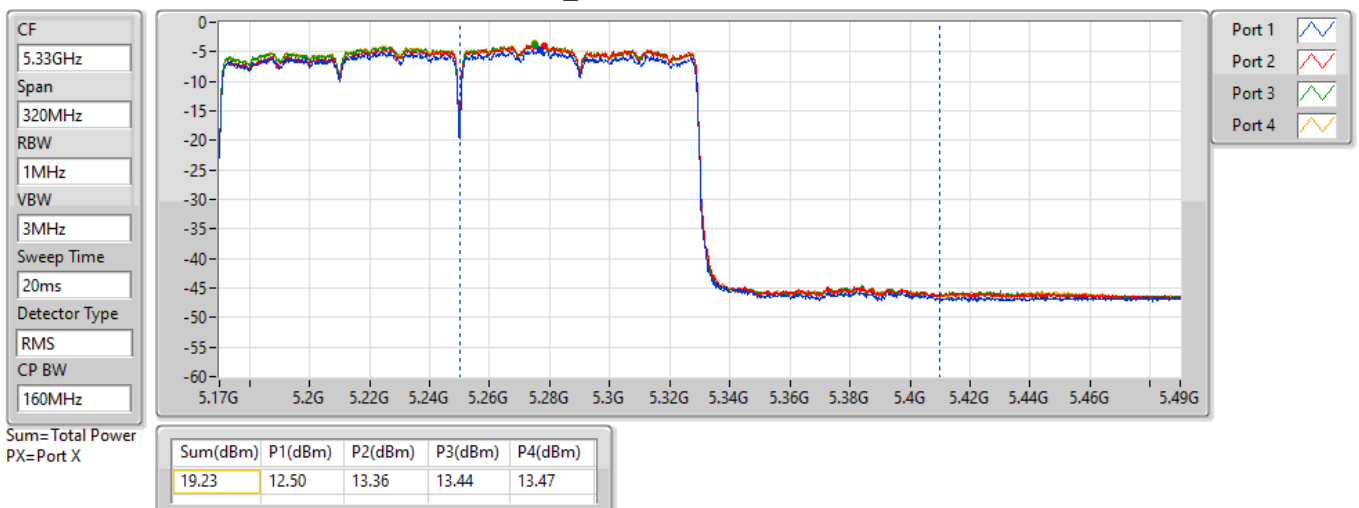


802.11ax HEW160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

02/08/2022





**Average Power Set 5 antenna with 70 degree
Scanning R1_2T1S_2T2S**

Appendix B.13

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.40	0.21878
802.11ax HEW20_Nss2,(MCS0)_2TX	23.42	0.21979
802.11ax HEW40_Nss2,(MCS0)_2TX	23.21	0.20941
802.11ax HEW80_Nss2,(MCS0)_2TX	18.34	0.06823
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.90	0.24547
802.11ax HEW20_Nss2,(MCS0)_2TX	23.97	0.24946
802.11ax HEW40_Nss2,(MCS0)_2TX	23.85	0.24266
802.11ax HEW80_Nss2,(MCS0)_2TX	23.00	0.19953
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	16.61	0.04581
802.11ax HEW20_Nss2,(MCS0)_2TX	17.24	0.05297
802.11ax HEW40_Nss2,(MCS0)_2TX	13.91	0.02460
802.11ax HEW80_Nss2,(MCS0)_2TX	9.64	0.00920



**Average Power Set 5 antenna with 70 degree
Scanning R1_2T1S_2T2S**

Appendix B.13

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	2.30	20.28	20.34	23.32	23.98
5300MHz	Pass	2.30	20.68	20.07	23.40	23.98
5320MHz	Pass	2.30	19.34	18.80	22.09	23.98
5500MHz	Pass	2.60	20.20	20.25	23.24	23.98
5580MHz	Pass	2.60	20.86	20.92	23.90	23.98
5700MHz	Pass	2.60	16.82	16.23	19.55	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.60	20.43	19.41	22.96	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	3.20	14.12	13.00	16.61	30.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	1.78	20.44	20.37	23.42	23.98
5300MHz	Pass	1.78	20.65	20.16	23.42	23.98
5320MHz	Pass	1.78	19.06	18.45	21.78	23.98
5500MHz	Pass	2.50	20.65	20.84	23.76	23.98
5580MHz	Pass	2.50	20.86	21.06	23.97	23.98
5700MHz	Pass	2.50	16.66	16.06	19.38	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.50	20.18	18.95	22.62	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	3.00	14.85	13.51	17.24	30.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	1.78	20.36	20.03	23.21	23.98
5310MHz	Pass	1.78	16.52	16.20	19.37	23.98
5510MHz	Pass	2.50	16.23	16.73	19.50	23.98
5550MHz	Pass	2.50	20.63	21.04	23.85	23.98
5670MHz	Pass	2.50	17.88	17.70	20.80	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	2.50	21.28	20.18	23.78	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.00	11.48	10.23	13.91	30.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	1.78	15.42	15.23	18.34	23.98
5530MHz	Pass	2.50	15.51	15.71	18.62	23.98
5610MHz	Pass	2.50	20.00	19.94	22.98	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	2.50	20.30	19.66	23.00	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.00	7.03	6.19	9.64	30.00

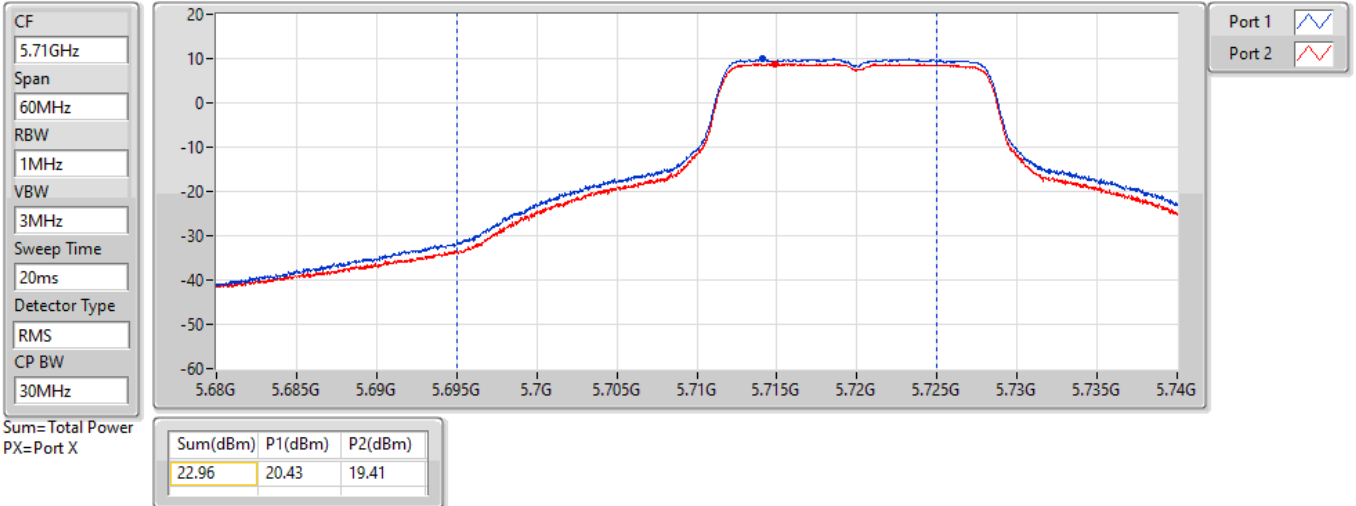
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/09/2022

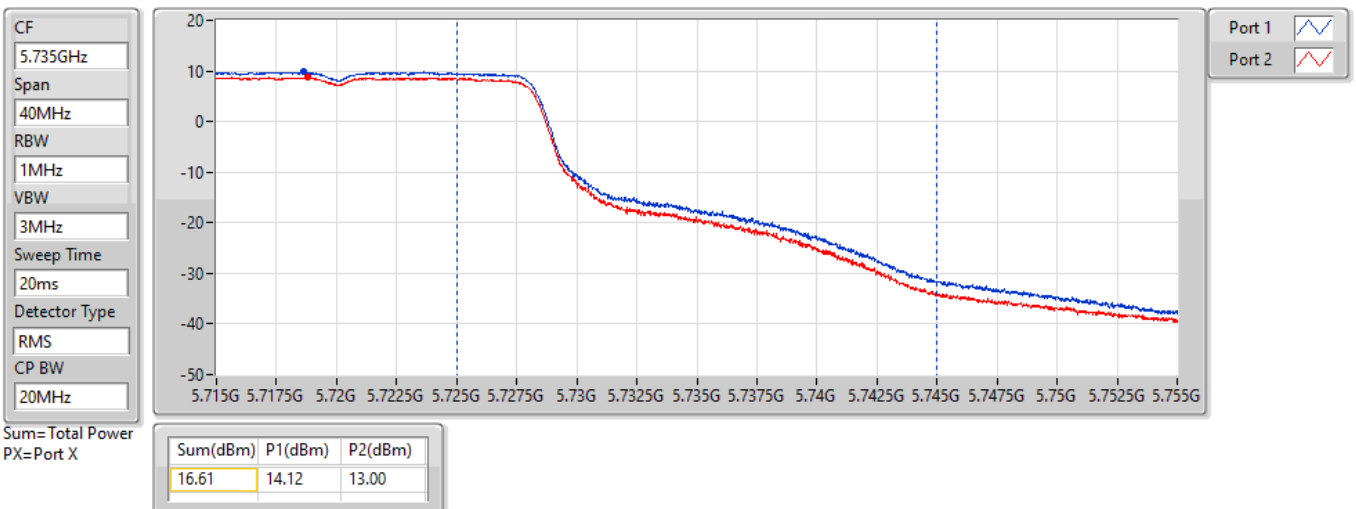


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/09/2022

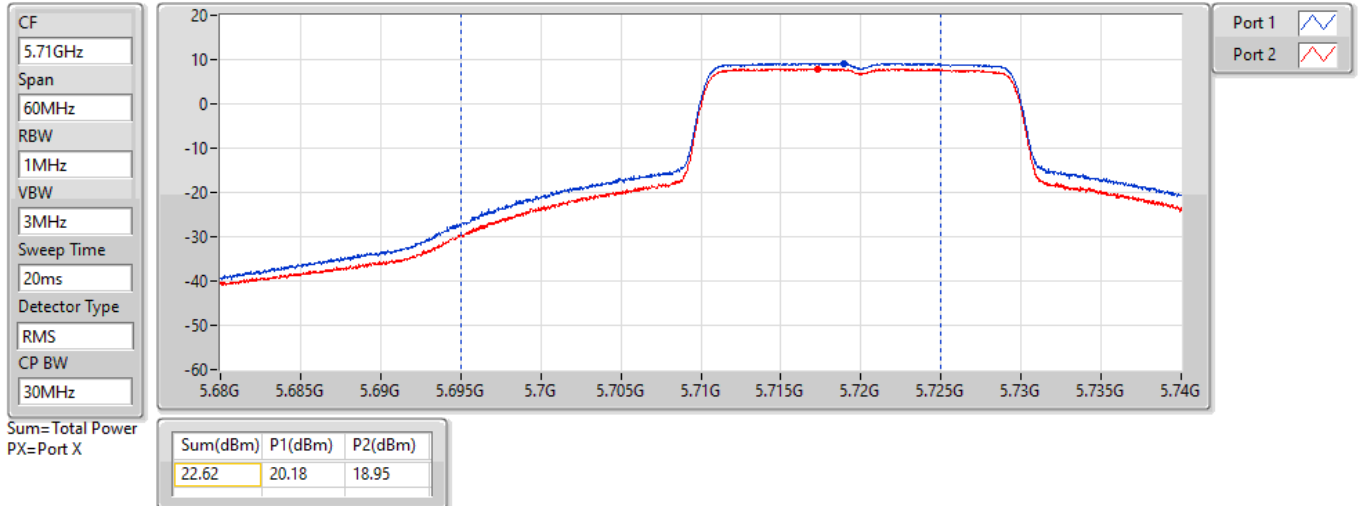


802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/09/2022



802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/09/2022

